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OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY.

MESSAGE

FROM THE

PRESIDENT OF THE UNITED STATES,

TRANSMITTING

A REPORT OF THE OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR THE FISCAL YEAR ENDED JUNE 30, 1905.

JANUARY 29, 1906.—Referred to the Committee on Agriculture and ordered to be printed.

To the Senate and House of Representatives:

I transmit herewith a report, by the Secretary of Agriculture, of the operations of the Bureau of Animal Industry of that Department for the fiscal year ended June 30, 1905, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

THEODORE ROOSEVELT.

THE WHITE HOUSE, January 29, 1906.

DEPARTMENT OF AGRICULTURE,
OFFICE OF THE SECRETARY,
Washington, D. C., January 23, 1906.

The PRESIDENT:

I have the honor to submit herewith, for transmittal to Congress, a report of the operations of the Bureau of Animal Industry of this Department for the fiscal year ended June 30, 1905, in compliance with the requirements of section 11 of the act approved May 29, 1884, for the establishment of that Bureau.

Very respectfully,

JAMES WILSON, *Secretary.*

OPERATIONS OF THE BUREAU OF ANIMAL INDUSTRY FOR THE FISCAL YEAR ENDED JUNE 30, 1905.

TUBERCULOSIS.

TUBERCULOSIS OF HOGS.

The increasing proportion of tubercular hogs found by the meat-inspection service is a matter of grave concern for the producer, for the packer, and for the consumer. During the past fiscal year 0.25 per cent of all carcasses inspected were condemned and destroyed because affected with this disease. During the month of July, 1905, the condemnations for tuberculosis were 1.47 per cent of all the hogs killed at one of the largest packing houses in this country, while at another equally large establishment the condemnations for the same month reached 1.35 per cent of all carcasses. In addition to the carcasses condemned there were as many more slightly affected which were not condemned. In other words, about 3 per cent of the hogs coming to some of our largest abattoirs are affected with tuberculosis.

This fact indicates a rapid increase of the disease among this species of animals, and calls for a searching investigation as to the cause and the most certain means of control. No doubt the running of hogs in the same pastures with cattle, the feeding of unsterilized milk from the creameries, and the practice of many farmers of allowing their hogs to consume the carcasses of cattle which have died of disease are causes to which a part of the infection may be attributed; but the time has come to inquire if the breeding stock of pure-bred hogs has not become contaminated to such a degree that the disease is being disseminated by such animals and the stream of hog production poisoned at its source.

The hog carcasses destroyed on account of this disease last year would have cost the packers at present prices nearly \$1,000,000, and at the present rate of condemnation there would be nearly twice as many seized. Up to this time the loss has fallen upon the packers, but undoubtedly a way will soon be found by them to shift the burden upon the producer. A loss of from \$1,000,000 to \$2,000,000 a year from this cause is a very serious one, and the farmers can ill afford to have this added to the other losses which they suffer from hog diseases.

The subject is one which calls for immediate inquiry and for adequate measures of control before the disease becomes so prevalent as to make repression a difficult or impossible task.

EXPERIMENTS WITH TUBERCLE BACILLI.

The comparative study of tubercle bacilli from varied sources which has been carried on for several years by the Pathological Division has been completed and the results of the investigation are in course of publication. In addition to the human and bovine cultures that were used in the above work, numerous other cultures have been obtained during the past year from birds and wild animals of varied species which have succumbed to tuberculosis while in captivity. These cultures are under such cultural inoculation tests as will determine their characteristics and locate them in their relation to the tubercle bacilli previously studied. It having been found that morphological and cultural characteristics are not always trustworthy as indicators of the origin of some particular cultures of tubercle bacilli, the method of reaching such determination by means of the chemical reaction in cultures growing upon glycerin bouillon has appeared worthy of investigation. Many cultures have been submitted to this test, and the results will be recorded soon. The extent of the immunity from tuberculosis which may be given cattle by means of intravenous inoculations with attenuated cultures of tubercle bacilli is under study. This opportunity will also be utilized to determine if the tubercle bacilli so injected into the circulation of cows during the period of lactation are excreted in the milk as well as in the saliva and urine.

New regulations in regard to the condemnation of tuberculous carcasses have been sent to the inspectors of the Bureau for the purpose of gaining greater uniformity in the disposal of the slightly affected carcasses, and many tuberculous glands and other parts of hogs and cattle have been sent to the laboratory that the real extent of the disease might be determined through microscopical examinations and inoculation experiments. This has been very helpful in assisting inspectors at the abattoirs to estimate accurately from the naked-eye appearance of the dressed carcass the degree of progress which the disease has made within the tissues of the animal, and has thus helped them in making proper disposition of the affected meat.

The results of the experiments in the Biochemic Division concerning the infectiousness of human tubercle bacilli for cattle were published during the past year as Bulletin 52, Part II. Certain observations published as Circular 60 of this Bureau show that tubercle bacilli of bovine origin may grow out into long filaments, the usual short form of bovine tubercle bacilli becoming long when the organism is grown upon a specially prepared medium. A number of experiments are in progress now looking to a better understanding of the chemical changes produced in nutrient media by the growth of tubercle bacilli upon them.

THE DISTRIBUTION OF TUBERCULIN.

During the past year 75,041 doses of tuberculin were prepared in the Biochemic Division and shipped to authorized health officers in the States named below and in the quantities indicated:

Doses of tuberculin distributed, fiscal year 1904-5.

	Doses.		Doses.
Arizona	12	New Jersey	1,783
California	278	New Mexico	108
Colorado	126	New York	99
District of Columbia	604	North Carolina	351
Georgia	132	North Dakota	340
Idaho	48	Ohio	327
Illinois	42	Oklahoma	78
Indiana	3	Oregon	425
Iowa	534	South Dakota	60
Kentucky	56	Texas	3
Maine	81	Utah	44
Maryland	46	Virginia	186
Massachusetts	17,080	Vermont	17,236
Michigan	773	Washington	5,138
Minnesota	18,717	Wisconsin	4,600
Missouri	815		
Montana	4,700	Total	75,041
Nebraska	216		

At the experiment station of the Bureau considerable time has been spent in collecting and preparing for publication the data of the tuberculosis investigations of the past three or four years. Cow No. 218, mentioned in the last two reports, is still on hand. This cow received an injection of human tubercle culture into one quarter of her udder, and on June 27, 1905, nearly three years and nine months after the injection was made, the material secreted by the injected quarter of her udder was infectious for guinea pigs on subcutaneous injection. Mention was also made of her having produced a calf. This calf sucked its mother until it was 12 months old, and is now in excellent condition. Tuberculin tests of both cow and calf were made in February, 1905, and both were negative. The unaffected quarters of the cow's udder produced a considerable quantity of normal milk, which was tested on guinea pigs, with negative results. The injected quarter of the udder remained very much shrunken, and at best did not secrete above 6 c. c. of material per day. This material had the appearance of very poor milk, but on standing threw down a gray precipitate.

THE TUBERCULIN TEST IN ENGLAND.

The Department regulations in Bureau of Animal Industry Order 109 provide for the tuberculin testing of all cattle over 6 months old to be imported for breeding purposes from Great Britain and Canada. Those from Great Britain must be tested by an inspector of this Bureau who is stationed in that country; those from Canada are admitted upon a certificate of tuberculin test by a Canadian official

veterinarian or an inspector of this Bureau. Cattle tested with tuberculin by the Bureau inspector in Great Britain, with the results, during the fiscal year ending June 30, 1905, are given below:

Results of tuberculin test in England of cattle for importation.

Breed.	Passed.	Rejected.
Ayrshire	7	5
Guernsey, in England	3	2
Highland	3	0
Dexter Kerry	7	3
Shorthorn	2	1
Total	22	11

BLACKLEG.

IMPORTANCE OF DISTRIBUTING BLACKLEG VACCINE.

During the last seven years the Bureau has been distributing blackleg vaccine to the stock raisers of the country, who use it to protect their young cattle from the disease known as symptomatic anthrax, or, popularly, as blackleg. At the beginning of the distribution the losses from this disease were very serious, amounting to 10 to 15 per cent of the young stock annually. By the use of the vaccine the loss has been reduced to one-half of 1 per cent, and the disease seems to be disappearing. It was anticipated that by continuing the vaccination for a series of years the infection in the soil, not being renewed, would gradually die out, and in the course of time it would be possible to dispense with the vaccination. As the bacillus of this disease forms spores, it lives for a long time in the soil, and only experiments continued for a considerable number of years could determine how long a time would be required for the eradication of the contagion.

This distribution of vaccine is therefore very important both to prevent the annual losses and as a means of eradicating the contagion from the infected pastures; and, in fact, the cattle industry in some sections is dependent upon it, as cattle could not be profitably raised without vaccination, owing to the heavy losses from this disease. The Bureau should consequently continue to supply this vaccine as one of the cheapest and most efficient means of protecting the stock raisers from the ravages of disease.

DISTRIBUTION OF VACCINE DURING THE YEAR.

The preparation of vaccine and its free distribution to cattle owners in all parts of the United States has been continued in the Pathological Division during the past year. The large number of doses distributed and the small cost of production to the Government, in comparison with the immense saving afforded cattle raisers and feeders, render this the most important routine work of the pathological laboratory. The table below shows that the demand for vaccine has increased 59,130 doses over that supplied during the previous year. As usual, the greatest call for the material occurred during the fall and spring, the highest monthly output being

recorded in October, when over 245,000 doses were distributed. During the entire year a total of 1,395,970 doses were sent out, and the distribution of these among the various States, as well as the general results obtained from the vaccine supplied during the preceding year, may be seen in the tables.

Doses of vaccine distributed during the fiscal year ended June 30, 1905.

July 1 to December 31, 1904:

Doses.

July	32,875
August	68,665
September	99,170
October	245,050
November	235,065
December	132,245

January 1 to June 30, 1905:

January	95,920
February	69,435
March	152,540
April	132,940
May	67,540
June	64,525

Total ----- 1,395,970

Results obtained from vaccine distributed during the fiscal year ended June 30, 1904.

State or Territory.	Number of reports.	Number of cattle vaccinated.	Deaths same season previous to vaccination.		Died after vaccination.					Total number.	Percentage of deaths.
			Number.	Per cent.	Within 48 hours.	From 2 to 7 days after.	Within 1 year.	Number of cases due to mistakes.			
Arizona	40	4,653	92	1.97	2	8	13	-----	23	0.49	
Arkansas	22	1,165	71	6.09	-----	3	11	2	14	1.20	
California	478	61,261	812	1.32	38	46	221	2	307	.50	
Colorado	567	68,560	856	1.24	11	84	290	12	397	.57	
Idaho	49	3,057	86	2.87	3	-----	4	2	9	.29	
Illinois	60	2,699	101	3.77	1	-----	15	-----	16	.59	
Indiana	6	252	10	3.96	-----	-----	14	-----	14	5.55	
Indian Territory	48	3,812	133	3.48	1	6	20	-----	27	.70	
Iowa	116	6,701	171	2.55	8	5	27	-----	40	.59	
Kansas	898	76,493	1,479	1.29	34	110	201	7	352	.46	
Kentucky	32	1,178	63	5.34	1	-----	1	-----	2	.16	
Michigan	5	504	9	1.78	-----	1	-----	-----	1	.19	
Minnesota	40	2,922	74	2.53	-----	-----	1	-----	1	.03	
Missouri	704	101,300	802	.79	19	47	204	1	271	.26	
Montana	345	35,489	676	1.90	8	16	70	18	112	.31	
Nebraska	1,793	139,003	2,520	1.81	95	152	612	33	892	.64	
New Mexico	25	4,398	144	3.27	2	3	55	22	82	1.86	
New York	14	482	29	6.01	-----	-----	5	-----	5	1.03	
North Carolina	27	1,267	32	2.52	1	-----	1	-----	2	.15	
North Dakota	469	42,494	740	1.74	12	39	155	2	208	.54	
Oklahoma	84	7,225	148	2.04	1	5	26	-----	32	.44	
Oregon	79	10,846	144	1.32	3	4	10	-----	17	.15	
South Dakota	484	48,383	881	1.82	19	36	154	-----	209	.43	
Tennessee	42	1,002	86	8.58	10	-----	7	-----	17	1.69	
Texas	876	145,113	2,368	1.63	69	155	718	11	953	.65	
Utah	19	3,522	33	.93	1	2	9	-----	12	.34	
Vermont	7	113	24	21.23	1	-----	6	-----	7	6.19	
Virginia	274	8,612	215	2.48	1	5	40	-----	46	.53	
Washington	105	3,632	145	3.99	-----	6	15	-----	21	.58	
West Virginia	103	3,183	85	2.67	4	4	23	-----	31	.97	
Wisconsin	9	281	17	6.04	-----	-----	6	-----	6	2.13	
Wyoming	299	50,912	472	.92	14	69	152	4	239	.44	
Other States	6	274	2	.72	-----	-----	-----	-----	-----	-----	
Total	8,125	840,788	13,520	1.60	359	806	3,086	114	4,365	.51	

There are several interesting features connected with the above table. For instance, the annual loss from blackleg before vaccination in those localities where cattle are not immunized yearly or where they have not been vaccinated in time is lower than ever, indicating that there is less blackleg in the country than in any year since vaccination began. It is also gratifying to know that the number of cattle which died as a result of carelessness, or of any other acknowledged mistake, has been reduced to 114 cases. In estimating the merits of the vaccine it is necessary to deduct this number of deaths admittedly due to mistakes, and the number of cattle which died within two days after inoculation as a result of having been infected prior to vaccination from the total number of deaths following inoculation. We would therefore have 3,892 deaths following the injection of over 840,000 animals, or a mortality of 0.46 per cent.

HOG CHOLERA.

Further experiments in the biochemical laboratory have thoroughly substantiated the statement in Circular 41, to the effect that a filterable virus is chiefly, if not wholly, responsible for the outbreak of the highly infectious form of hog cholera met with in southwestern Iowa. This filterable virus is present in the blood of sick hogs and is capable of inducing an attack of the disease when injected subcutaneously. When the blood serum of sick hogs is diluted with ten volumes of salt solution or with beef broth the virus readily passes through the finest porcelain filters, and this filtered serum is then capable of bringing on a typical attack of disease in hogs when injected subcutaneously, although it is without effect upon rabbits, guinea pigs, white rats, gray rats, white mice, gray house mice, and chickens. The disease produced in hogs by the filterable virus possesses all the characters seen in the natural disease, viz, contagiousness, infectiousness of the blood upon subcutaneous injection, immunity in those hogs which recover, and also the characteristic lesions and symptoms. All efforts to discover an organized form in the filtered serum have failed, and attempts to cultivate the unknown virus on the various media were equally fruitless.

Parallel with the experiments with the filterable virus a series of experiments was carried out with pure cultures of *B. cholerae suis*, which has been heretofore regarded as the sole cause of hog cholera. The use of that organism, however, failed to produce a disease which was contagious, or which showed the characteristic infectiousness of the blood during the course of the disease and immunity in those which recover. The details of these experiments are given in Bulletin No. 72. At the experiment station of the Bureau the endeavor has been made to produce a vaccine with virulent blood attenuated by mixture with glycerin and subjecting it for varying periods to a temperature somewhat above the fever temperature of animals or allowing it to age at room temperature or at a lower temperature. It was found that the germicidal and attenuating powers of different glycerins vary greatly, probably due to impurities in the glycerin. It was also found that blood left at ordinary room temperature and exposed to diffused sunlight loses its virulence much more rapidly

than that kept in a dark chamber at a fairly constant but slightly lower temperature. This applies to dried blood as well as glycerinated blood. In a number of instances immunity was conferred by injections of either heat or time attenuated glycerinated blood, but these results have not been constantly confirmed.

Several remedies reported to have given excellent results were tested, but all proved valueless as remedies for hog cholera.

TEXAS FEVER.

In the Division of Zoology ticks have been studied to determine their habits and rôle in the transmission of disease, especially Texas fever. The Texas fever tick ordinarily remains upon one host during its development from the larva to the replete ovigerous female, but experiments show that this is not always the case. If ticks are removed from a cow shortly after the first molt and placed upon another cow, they will attach themselves and mature upon the latter, and the same is true in regard to ticks thus transferred at the time of the second molt. These facts may explain certain cases of Texas fever, which sometimes develop in susceptible cattle within a few days after exposure to the tick-infested animals, the interval of time between exposure and appearance of symptoms being so short that it is impossible for infection to take place in the usual manner: that is, through the second generation of ticks, which require, under the most favorable circumstances, not less than two weeks, and usually much longer, to hatch out. In such cases it seems not improbable that ticks which have been rubbed off or otherwise detached from infested animals have fastened upon the susceptible cattle and infected them. Texas fever ticks removed from a cow just before the second molt molted and remained alive in the laboratory over two weeks, and ticks thus removed readily attached themselves to human beings and to rabbits, and sucked blood. This indicates that other animals than cattle and horses may, under a proper combination of circumstances, act as disseminators of Texas fever ticks. Heretofore the Texas fever tick, *Rhipicephalus (Boophilus) annulatus*, has been the only species of the genus known to occur in this country, but a second species, *Rhipicephalus sanguineus*, has recently been collected in Texas. The occurrence of this form in the United States is worthy of note for at least two reasons—first, it is a member of a genus several species of which are known to act as transmitters of disease among domestic animals, and, second, the females of the Texas fever tick and of *Rhipicephalus sanguineus* bear a striking superficial resemblance to one another, so that they are liable to be confused by the careless observer.

At the experiment station southern cow No. 1, though removed from all sources of infection for ten years, still carries the parasite of Texas fever, but injections of her blood made into two susceptible animals seem to produce only a mild type of disease. Cow No. 113, mentioned in the last report as having lost her infectiousness, after being removed fifteen years from sources of infection, was injected early in the year with virulent blood to determine whether she had lost also her immunity. No disease that could be detected developed, but that her blood became reinfected as a result of this injection is shown

by the fact that her blood injected into a susceptible animal produced rapidly fatal disease.

MYCOTIC STOMATITIS.

During the summer and fall of last year numerous letters were received relative to a disease affecting the mouth and feet of cattle in the Southwest, where it caused alarm among the stockmen owing to its similarity to foot-and-mouth disease of Europe, and gave rise to the fear that the contagion of this latter malady had spread to that section from the recent outbreak in New England. The disease was carefully investigated and found to be mycotic stomatitis, caused by grasses containing the red and black rusts. Later reports were received which indicated that this affection had made its appearance in northern California and in Oregon. An inspector sent to those points confirmed the above diagnosis. In order to give correct information concerning mycotic stomatitis, to assert its noncontagiousness, and to differentiate it from the virulent foot-and-mouth disease, which it so closely simulates, Circular No. 51 has been issued.

RABIES.

During the past year 45 suspected cases from various parts of the country have been examined. Of these, 22 resulted positively. Fourteen of this number, comprising 13 dogs and 1 cat, were received from the District of Columbia. Of the remaining 8 cases, 2 were forwarded from Georgia, 4 from Virginia, 1 from West Virginia, and 1 (the brain of a heifer) from Indian Territory. A tabulated list of these positive cases is given in the accompanying table:

Results of inoculation tests and microscopic examination for rabies.

Date.	Record No.	Kind of animal.	Received from—	Result of inoculation.	Diagnosis by histological examination.	Persons or animals bitten.
1904.						
July 6	343	Dog	District of Columbia	Positive	None made	
July 7	344	do	Savannah, Ga.	do	Ganglia not forwarded.	Several persons.
July 8	345	do	District of Columbia	do	do	
July 12	346	do	Norfolk, Va.	do	Not typical	1 boy.
July 18	347	do	Savannah, Ga.	do	None made	2 persons.
July 30	349	do	Hatton, Va	do	Ganglia not forwarded.	
Aug. 12	350	do	District of Columbia	do	Positive	1 person and 8 dogs.
Aug. 30	351	do	do	do	do	1 person.
Sept. 22	352	do	Huntington, W. Va	do	Ganglia decomposed.	Several dogs and children.
Sept. 27	353	do	District of Columbia	do	Positive	1 person.
Nov. 1	356	do	do	do	None made	
Nov. 7	357	Heifer	Coalgate, Ind. T.	do	do	
Nov. 23	358	Dog	District of Columbia	do	Positive	1 person.
Dec. 13	361	do	do	do	do	Several persons.
1905.						
Jan. 23	368	do	do	do	do	Several dogs.
Mar. 13	370	do	Manassas, Va	do	Ganglia not forwarded.	1 girl.
Mar. 14	371	Cat	District of Columbia	do	None made	
May 10	376	Dog	Norfolk, Va.	do	Positive	Several dogs.
May 13	377	do	District of Columbia	do	do	1 person.
May 20	379	do	do	do	do	Several dogs.
June 14	385	do	do	do	do	Do.
June 25	387	do	do	do	Ganglia decomposed.	1 person.

NECROBACILLOSIS.

The study of the *B. necrophorus* has occupied considerable attention, resulting in a paper on the economic importance of this widely distributed micro-organism. It had been recovered previously in the Division of Pathology from multiple liver necrosis in a deer, disseminated liver abscesses in cattle, from the ulcers of the mouth and tongue in cases of necrotic stomatitis in calves and pigs, from ulcerative anovulvitis in cattle, and from cases of foot rot in sheep. This was the first demonstration of *B. necrophorus* as the cause of these two last-named disorders. During the last twelve months the economic importance of the necrosis bacillus has made itself still further apparent in the work of the Division. Rabbits suffering with Schmorl's disease, a cellulitis of the face and neck caused by *B. necrophorus*, have been brought to the laboratory for investigation, and two guinea pigs, likewise affected, were received from the Zoological Park. Chickens and a European kite from different sources, supposed to have died with so-called avian diphtheria, showed at the necropsy the presence in the exudate of *B. necrophorus*. Inoculations of the deep-seated intestinal ulcers of hog cholera and of the cheesy nodules inclosing the heads of *Echinorhynchus gigas* demonstrated the presence of the necrosis bacillus in these lesions in the pig. Two enzootics of foot rot in cattle furnished the same bacillus, and inoculation experiments showed it to be the causative factor.

In addition to the above, European observers have demonstrated *B. necrophorus* as the cause of the necrotic dermatitis of horses; of necrotic pocks found in the severer varieties of variola of cattle and swine; joint ill and necrotic omphalophlebitis of calves and foals; necrotic vaginitis and metritis of cattle; necrotic scratches and quittor of horses; necrotic inflammation and dry gangrene of the skin and subcutis of the teats and udders of cows; necrotic turbinate bones of a horse; deeply penetrating caseo-necrotic patches in all four stomachs of cattle, the paunches of deer and antelopes, small intestines of calves, cecum and colon of horses; necrotic processes on lips and nose of sheep. When it is remembered that the presence of only one of the morbid conditions noted may be the starting point of an enzootic outbreak of necrobacillosis in any of its forms among any of the domestic animals, there can be no question as to the importance of keeping the stockman fully informed as to the imminence of the infection and the prophylactic and therapeutic measures which can successfully cope with it.

CONTROL OF CONTAGIOUS DISEASES.

TEXAS FEVER.

During the quarantine season of 1904, 40,389 carloads of cattle, shipped from points below the quarantine line and intended for immediate slaughter, were received at packing centers; the number of animals carried in these cars was 1,087,474. In the noninfected areas of Texas and Oklahoma 228,277 head of cattle were inspected and permitted to be moved north for purposes other than immediate

slaughter. Supervision was exercised over the dipping with crude petroleum of 99,040 head of cattle and over the cleaning and disinfection of 37,120 cars.

SCABIES IN SHEEP, CATTLE, AND HORSES.

The total number of inspections of sheep for scabies was 53,680,786, and the total number of dippings was 16,873,659, of which 2,703,845 were redippings. As will be seen from the following tabulation, this shows an increase over the previous fiscal year of 31 per cent in inspections and 76 per cent in dippings.

Number of inspections and dippings of sheep for scabies, and cars cleaned and disinfected, fiscal years 1900 to 1905.

Year.	Inspections.	Dippings.	Cars cleaned and disinfected.
1900	1,801,392	626,838	-----
1901	7,912,724	1,034,368	-----
1902	11,186,661	1,017,162	791
1903	16,444,370	2,167,002	752
1904	40,967,981	9,578,476	2,732
1905	53,680,786	16,873,659	7,965

The total number of inspections of cattle for scabies was 14,085,267, and the total number of dippings was 563,394, of which 114,463 were redippings. Cars cleaned and disinfected, 29,897.

The total number of inspections of horses for scabies was 15,971, and the total number of dippings was 577, of which 207 were redippings.

VENEREAL DISEASE OF HORSES.

Work in connection with the venereal disease of horses, the so-called maladie du coït, has progressed satisfactorily. During the annual round-up last year in the Indian reservations of South Dakota not one diseased animal or suspect was found; and, while careful and vigorous work has been continued through the year, no new case of the disease was discovered, either in the regular work or during the round-up in June. In view of these facts I have recommended that the quarantine maintained in this section be discontinued.

The work of stamping out the same disease in Van Buren County, Iowa, has likewise been successful. Reports from the quarantined area of Nebraska and South Dakota, included in the Pine Ridge and Rosebud Indian reservations, and portions of the counties of Fall and Custer, S. Dak., and Dawes, Sheridan, and Sherry, Nebr., show that 8,705 horses were inspected. One stallion and eight mares, all suspects, were slaughtered, for which \$165, an average of \$18.33, was paid. Nine stallions were castrated, for which \$37.50 was paid, an average of \$4.16. In Van Buren County, Iowa, 410 horses were inspected, 2 directly exposed stallions were castrated, and 12 directly exposed mares were slaughtered at a cost for those slaughtered of \$565, or \$47.08 each; these mares were breeding animals of a much better grade than those in the above-named territory of South Dakota and Nebraska.

THE ARTIFICIAL CULTIVATION OF PROTOZOA.

The *Trypanosoma equiperdum* (the parasite which has been supposed to be the cause of the maladie du coït), which was referred to in the last report as having been imported from France in an inoculated dog, has not only been injected experimentally into various species of animals during the past year, but has been successfully grown on artificial culture media by the methods suggested by Novy and McNeal. Great difficulty was at first encountered in getting the original culture started, and numerous failures were recorded before the organism finally developed on a medium containing three volumes of defibrinated rabbit's blood to one of nutrient agar, a larger percentage of blood than is required for *Trypanosoma lewisi*. Subcultures have since developed with much greater ease and have now been cultivated artificially for over three months and to the fifth generation. The success that has followed the artificial cultivation of the trypanosomes naturally suggested the feasibility of growing other protozoa by the same or similar methods. An endeavor is now being made to find a medium suitable for the development of the *Piroplasma bigeminum* and *Plasmodium malariae*; samples of blood containing them have been placed under what it is hoped will prove suitable conditions. The benefit to be derived from obtaining cultures of the Texas fever protozoan, for instance, can be readily appreciated when the possibility of thereby elucidating the life history of this parasite is considered, as well as the more important probability of so attenuating or controlling such cultures for the injection of susceptible animals as to produce a stronger immunity with less mortality than by blood inoculations.

MISCELLANEOUS WORK IN RELATION TO DISEASES OF ANIMALS.

During the past several years numerous specimens of tissue from various animals, principally from sheep and hogs, showing lesions of fat necrosis have been received at the pathological laboratory from the meat inspection force. Although this condition is quite distinct in its pathological picture and can be diagnosed with a fair certainty without the aid of a microscope, it seems to have caused some confusion as to the disposition of carcasses showing such lesions. With the object of reproducing the disease, as well as to attempt to ascertain its cause, a number of experiments on the dog and cat have been performed, and while the experiments are incomplete, the conclusion of previous investigators is confirmed that bacteria play no part, or at least are not essential, in the causation of the disease.

During the past year four specimens of pulmonary fat embolism in hogs killed at official abattoirs were forwarded for examination. In such cases the post-mortem reveals no other sign of disease, and yet here is a lung which at first appearance might be mistaken, sometimes for the lung of hog cholera, sometimes for that of swine plague. That this lesion does occur as a result of a fractured bone or the existence of an extensive destruction of the subcutaneous fat tissue has been proven; that it may occur in the less modern methods of hoisting and sticking the animals has been surmised. Further investigation is now in progress.

Last fall attention was called to a disease affecting a number of young hogs belonging to the Reform School of the District of Columbia. Nine animals had died. The trouble proved to be paraplegia or paralysis of the hind quarters, so common in the hog raising districts of the Middle West. The point firing treatment was applied. This consists in making deep punctures with a hot iron about 2 inches apart over the lumbar region on either side of the spinal column, from 14 to 16 punctures being made in all. The treatment was successful, all of the 14 affected hogs recovering.

A number of cases of so-called avian diphtheria have been received for diagnosis. Among the different species represented were the chicken, pigeon, kite, and quail. Various organisms were found apparently in casual relationship with the disease; for instance, *B. necrophorus* in the kite, *Actinomyces bovis* in a chicken, and several other bacterial forms similar to those described by other observers in this field. The net result of the investigations of this disease (or group of diseases) compels the assumption that different germs must be charged with the early inflammatory disease, leaving the later cheesy or pseudo-membranous lesions to be instituted by such organisms as the necrosis bacillus, the agent of actinomycosis, and such other pathogenic forms, protozoal, bacterial, or mycotic, as may find easy lodgment in the diseased tissues of the mouth and upper air passages.

An interesting experience was the finding of the actinomyces in the pseudo-membranous patches in the mouth of a chicken affected with a complication of avian diphtheria and chicken pox. In making numerous cultures from these necrotic patches in an endeavor to isolate a pathogenic organism, a growth was obtained from the mouth lesions which on being plated furnished among other micro-organisms several colonies of actinomyces. About three months later in working on similar patches in the pharynx of a second chicken sent in for examination and not showing any evidence of chicken pox, another member of the laboratory force isolated an actinomyces which corresponded in every particular to that first recovered. There appears to be no reference in the literature to indicate that actinomyces had ever before been found in relation to avian diphtheria, nor in fact to any other disease of chickens. Scarifications made in the mouths of healthy fowls and rubbed with the spores of actinomyces produced an evanescent exudative process, and this fact coupled with the presence of the micro-organisms in the two different outbreaks appears to warrant a more extended investigation of avian diphtheria along this line.

After Dunstan and Henry and Peters and Slade had shown that prussic acid might be produced in sorghum and some other plants by the action of an enzyme upon a glucoside, the Biochemic Division began a number of examinations of cornstalks with the object of determining whether or not some instances of so-called "cornstalk disease" might not be due to prussic acid produced in the manner mentioned above. These experiments showed that an enzyme resembling "emulsin" was present in all cornstalks examined and that it was capable of splitting off prussic acid from the glucoside "amygdalin." In the cornstalks, however, no glucoside capable of yielding prussic acid could be found and examinations were made of other field plants and grain, with the results similar to those obtained with corn.

The details of these experiments appear in the Annual Report of the Bureau for 1904.

Many specimens of parasites sent in by correspondents have been identified in the Zoological Division; about 500 specimens added and the entire collection—nearly 5,000 specimens—has been recatalogued after a new and more useful plan. In this Division, also, arrangements have been made for a set of experiments to determine, if possible, practicable preventive methods against the roundworms so prevalent and injurious to sheep in many localities; bulletins have been issued on the subject of external parasites of hogs, gid of sheep in the United States, and on certain parasites of chickens and pigeons, two of which are species new to science; publication of the Index-Catalogue of Medical and Veterinary Zoology is continued, the G, H, I, and J authors having been issued.

POULTRY-FEEDING EXPERIMENTS.

During the past year more than thirty individual feeding experiments with chickens have been completed. The chickens used were kept under as healthful conditions as possible, new houses having been erected especially for the digestion experiments and so constructed as to afford ample ventilation and sunlight. There have been completed this year experiments with the single grains, corn, wheat, and oats, and some with mixtures of these three grains. In addition, green food was made a part of the ration in certain experiments. The chemical portion of these experiments is not yet complete.

EXAMINATION OF STOCK DIPS.

The requirements of the Department that the lime-and-sulphur dips when diluted ready for use shall contain not less than 2 per cent of lime nor more than 1 per cent of sulphur combined in the form of calcium sulphides have necessitated a chemical examination of all concentrated lime-and-sulphur dips of that character which are to be used for official dipping. The samples analyzed are purchased by inspectors of the Bureau in the open market. In addition, examinations of sulphur and nicotine solutions which are used in compounding the lime-and-sulphur and tobacco-and-sulphur dips were made.

The Beaumont crude petroleum having been found effective as a dip for destroying Texas fever cattle ticks, the Biochemic Division has received for analysis samples of crude petroleum from most of the recently discovered oil deposits in the western portion of the United States. Another form of stock dip which has received considerable study is that known as the "carbolic dip." In addition to the analyses, considerable research work has been done, which had for its objects (1) increase of efficiency of dips and (2) decreased cost of dips. These experiments lead to the hope that both of these ends may be accomplished.

GLANDERS.

During the past year 8,999 doses of mallein have been prepared in the biochemical laboratory and sent free of charge to authorized health officers in the various States, this being a considerable increase over the 7,197 doses sent out during the preceding year.

Distribution of mallein to States and Territories.

	Doses.		Doses.
Arizona -----	24	North Dakota -----	712
California -----	726	Oklahoma -----	84
District of Columbia -----	1,966	Ohio -----	102
Iowa -----	310	Porto Rico -----	390
Kansas -----	132	Utah -----	66
Michigan -----	36	Vermont -----	48
Minnesota -----	3,012	Washington -----	314
Missouri -----	276	Wisconsin -----	27
Montana -----	720	South Carolina -----	6
Nebraska -----	42		
North Carolina -----	6	Total -----	8,999

AUTOPSIES OF WILD ANIMALS.

An investigation of the cause of death in all animals which died at the National Zoological Park during the fiscal year was made by the Pathological Division. No enzootic outbreak has occurred, the majority of deaths being due to gastral intestinal disorders, as a result of the unnatural conditions to which animals are necessarily subjected in captivity. Twenty-nine animals died of such disorders; tuberculosis was fatal to 12; pneumonia to 11, and helminthiasis to 16.

THE INSPECTION OF MEAT.**WHY THE SERVICE SHOULD BE EXTENDED.**

In this connection it should be noted that there are numerous abattoirs killing hogs and other animals for the interstate trade where no inspection has been established, and where there are, consequently, no inspectors to condemn and remove the diseased carcasses. The inspection, which has been in operation for about fourteen years, has demonstrated beyond question that with the most careful buying of animals for slaughter there is found a considerable proportion so affected by disease as to be either actually dangerous to human health or offensive and unfit for human food.

Not only is there the large proportion of tubercular carcasses already mentioned, but there are numerous other diseases even more dangerous. In the year just closed there were found seriously affected with abscesses or pyemia 569 carcasses of beef, 230 of sheep, 70 of calves, and 4,044 of hogs—a total of 4,913 carcasses. There were found affected with enteritis, peritonitis, or metritis, 461 carcasses of beef, 191 of sheep, 59 of calves, and 994 of hogs—a total of 1,705 carcasses. There were also found affected with septicemia 239 carcasses of beef, 208 of sheep, 60 of calves, and 877 of hogs—a total of 1,384 carcasses. And, finally, there were found affected with hog cholera or swine plague 13,553 carcasses. In this group of acute septic diseases, which can not but be regarded as extremely dangerous to the health of persons using the affected meat for food, there were discovered and destroyed by the inspectors not less than 21,555 carcasses.

It is inconceivable that abattoirs having no inspection are able to avoid the purchase of animals so affected, and without expert inspectors it may safely be assumed that few of these diseased carcasses are detected. There is, consequently, an urgent need of inspec-

tion at every abattoir, and as the Federal Government has undertaken to inspect all meat for the interstate and foreign trades, it should extend the inspection until this object is effectually accomplished.

For two years there have not been sufficient funds available to place the inspection at all the abattoirs from which application has been made for inspection, and there are numerous others for which no application has been made and where inspection is not desired by the operators. The absence of inspection at these places not only permits uninspected meat to go into interstate and foreign commerce, but it gives an opportunity for unfair competition with the establishments which have the inspection. For example, if one abattoir, as is the case at present, has inspection and loses $1\frac{1}{2}$ per cent of its hogs by condemnation for tuberculosis, amounting in value to over \$200,000 a year, and another abattoir doing a similar amount of business without inspection puts these diseased carcasses on the market on the same terms as healthy ones, it is plain that the profits of the latter will be \$200,000 greater than those of the former, unless an advance in price can be obtained for inspected pork, which apparently is not the case with that sold in our domestic markets. A house without inspection can, therefore, undersell a house that has inspection, and, instead of encouraging inspection and making it to the interest of all abattoirs to have it, the tendency of the system of partial inspection now adopted by the Government is to place a burden on the houses which have inspection and to encourage others to operate without it. It is a matter of great importance, both for the protection of the health of our people and for maintaining the reputation of our meats, that the inspection should be extended promptly and made as thorough as possible.

WORK OF THE PAST YEAR.

During the fiscal year 1905 inspection was inaugurated at 7 establishments. Three of these had previously had inspection and 4 had not. Of the former number 2 had been rebuilt after having been destroyed and the other was an abattoir that was reopened by a new firm after having been shut down for about two years. During the same period inspection was, for various causes, not conducted at 5 establishments which had had inspection in the previous fiscal year.

In the following table are shown the number of establishments and the number of cities where inspection was conducted each fiscal year since 1891:

Number of establishments and cities where meat inspection was conducted, 1891 to 1905.

Fiscal year.	Number of establish- ments.	Number of cities.	Fiscal year.	Number of establish- ments.	Number of cities.
1891	9	6	1899	139	42
1892	23	12	1900	149	46
1893	37	16	1901	157	52
1894	46	17	1902	155	50
1895	55	19	1903	156	50
1896	102	26	1904	152	51
1897	128	33	1905	151	52
1898	135	35			

The number of ante-mortem inspections of animals intended for slaughter and the number rejected on such examination are shown in the following table, and indicate an increase of 1,208,121 inspections as compared with the previous fiscal year:

Ante-mortem inspections for the fiscal year 1905.

Kind of animal.	For official abattoirs in cities where inspections were made.	For abattoirs in other cities and miscellaneous buyers.	Total inspections.	Rejected (subject to result of post-mortem inspections).	
				At abattoirs.	In stock yards.
Cattle.....	6,213,267	6,306,374	12,519,641	926	46,353
Sheep.....	8,023,659	6,795,627	14,819,286	1,558	9,702
Calves.....	791,650	591,537	1,383,187	961	11,817
Hogs.....	24,822,455	12,276,935	37,069,390	4,667	58,448
Total.....	39,851,031	25,970,473	65,821,504	8,112	126,320

The following statement shows the number of post-mortem inspections and the number of carcasses and parts condemned (exclusive of hog carcasses condemned for trichinæ):

Post-mortem inspections for the fiscal year 1905.

Kind of animal.	Number of inspections.			Carcasses condemned.			Parts of carcasses condemned.
	For official abattoirs.	On animals rejected in stock yards.	Total.	For official abattoirs.	Animals rejected in stock yards.	Total.	
Cattle.....	6,096,597	37,791	6,134,388	13,859	3,942	17,801	3,466
Sheep.....	7,872,671	6,302	7,878,973	4,900	1,351	6,251	2,973
Calves.....	845,862	4,365	850,227	2,224	2,229	4,453	75
Hogs.....	25,323,984	33,441	25,357,425	86,293	3,985	90,278	152,454
Total.....	40,139,114	81,899	40,221,013	107,276	11,507	118,783	158,968

While, according to the above statement, more post-mortem inspections were made in the past fiscal than in any previous year, reference to the comparative table on page 20 will show that the increase over 1904 was not up to the average. This was doubtless due to the very marked falling off in slaughtering done at the principal packing centers during the strike in 1904, this affecting the business of the first quarter of the fiscal year.

In addition to the regular and microscopic condemnations the following carcasses were tanked for reasons designated:

Animals lost otherwise than by disease.

Manner of death.	Cattle.	Sheep.	Calves.	Hogs.	Total.
Died in yards.....	831	872	290	1,698	3,691
Killed in yards.....	888	467	4,239	19,899	25,543
Died at abattoirs.....	359	2,149	290	14,387	17,185
Total.....	2,078	3,488	4,869	35,984	46,419

The following table shows in detail the various diseases and conditions for which carcasses and parts were condemned and tanked during the year and also includes those found dead and those killed by city inspectors:

Causes of condemnation of carcasses and parts of carcasses, fiscal year 1905.

Cause of condemnation.	Cattle.		Sheep.		Calves.		Hogs.	
	Carcasses.	Parts.	Carcasses.	Parts.	Carcasses.	Parts.	Carcasses.	Parts.
Actinomycosis	1,246	1,755	2	—	2	2	24	131
Tuberculosis	10,956	647	27	—	28	—	64,919	142,105
Caseous lymphadenitis	—	—	988	1,922	—	—	—	—
Cholera and swine plague	—	—	—	—	148	—	13,563	—
Texas fever	229	—	1	196	—	—	—	—
Echinococcus	—	—	—	—	—	—	5	1,248
Measles	—	—	—	—	—	—	11	—
Scabies	—	—	3	—	—	—	49	—
Eczema	—	—	—	—	—	—	3	—
Erysipelas	—	—	—	—	—	—	37	—
Cancer	56	—	2	—	—	—	8	—
Tumor	7	5	4	1	1	1	445	321
Abscess	102	253	40	80	12	11	1,066	1,235
Pneumonia	261	—	322	—	21	—	1,147	—
Pleurisy	15	—	26	31	4	—	120	10
Carditis	—	—	4	—	—	—	—	—
Enteritis	52	—	85	—	22	—	304	—
Peritonitis	327	—	73	—	36	—	535	—
Metritis	52	—	33	—	1	—	155	—
Nephritis	6	—	10	—	4	—	34	—
Uremia	3	—	28	—	2	—	49	—
Mammitis	—	—	2	—	—	—	4	10
Septicemia	239	—	208	—	60	—	877	—
Pyemia	467	—	190	—	68	—	2,978	—
Gangrene	14	—	5	—	8	16	19	—
Anemia, emaciation, marasmus	1,945	—	2,876	—	350	—	643	—
Ascites	14	—	32	—	—	—	52	—
Jaundice	25	—	419	—	21	—	868	—
Extreme temperature, various causes	3	—	67	—	3	—	1,785	—
Pregnancy	56	—	26	—	—	—	173	—
Recent parturition	53	—	13	—	—	—	46	—
Hernia	1	—	1	—	1	—	21	—
Downers, bruised, injured, etc.	1,667	806	738	193	172	45	348	7,394
Dead from various causes	1,190	—	3,002	—	580	—	16,085	—
Too young	—	—	1	—	3,483	—	—	—
Killed by city inspectors	888	—	467	—	4,289	—	19,899	—
Asphyxia	5	—	—	—	—	—	—	—
Fistula	—	—	—	—	3	—	—	—
Arthritis	—	—	—	1	1	—	—	—
Blackleg	—	—	—	—	1	—	—	—
Leucocytæmia	—	—	—	—	1	—	—	—
Pulmonary apoplexy	—	—	1	—	—	—	—	—
<i>Cysticercus tenuicollis</i>	—	—	2	—	—	—	—	—
Distoma	—	—	2	199	—	—	—	—
Melanosis	—	—	1	—	—	—	—	—
Flukes	—	—	—	87	—	—	—	—
Cystic livers	—	—	—	263	—	—	—	—
Total	19,879	3,466	9,701	2,973	9,322	75	126,262	152,454

The following statement shows, by years, the total number of the different classes of animals inspected post-mortem for official abattoirs since 1891, the total for the past year being greater than that of any previous year.

Number of animals inspected at slaughter for abattoirs having inspection, fiscal years 1891 to 1905.

Fiscal year.	Cattle.	Calves.	Sheep.	Hogs.	Horses.	Total.
1891	83,889					83,889
1892	3,167,009	59,089	583,361			3,809,459
1893	3,922,079	92,947	870,512			4,885,538
1894	3,861,594	96,331	1,020,764	7,648,146		12,626,835
1895	3,704,042	116,093	1,428,601	13,616,539		18,865,275
1896	3,985,484	256,905	4,629,796	14,250,191		23,122,376
1897	4,242,216	273,124	5,209,161	16,808,771		26,533,272
1898	4,418,738	244,330	5,496,904	20,893,199		31,053,171
1899	4,382,020	246,184	5,603,096	23,836,943	3,332	34,071,575
1900	4,841,166	315,693	6,119,886	23,336,884	5,559	34,619,188
1901	5,219,149	413,830	6,639,212	24,642,753	1,992	36,916,936
1902	5,559,969	555,836	7,434,878	25,277,107	1,649	38,829,439
1903	6,134,410	668,855	8,585,960	21,793,738	344	37,183,307
1904	6,350,011	764,590	8,261,051	24,128,462		39,504,114
1905	6,096,597	845,862	7,872,671	25,323,984		40,139,114

The meat-inspection tag or label was placed upon 21,835,655 quarters of beef, 7,849,200 carcasses of sheep, 844,979 carcasses of calves, and 1,025,676 carcasses of hogs. Sacks of meat were sealed as follows: Beef, 5,793; pork, 795,171.

White stamps, indicating the regular post-mortem inspection, were affixed to packages of meat and meat products as follows:

Meat-inspection stamps.

	Packages stamped (white stamp).
Beef	7,123,506
Mutton	29,273
Veal	8
Pork	15,252,508
Total	22,405,295

The number of cars sealed containing inspected meat and meat products was 66,846.

In the following table are shown the interabattoir consignments of inspected meat and meat products; the receipts especially represent much labor on the part of Bureau employees, as all products of every kind entering an official establishment must be identified as having received inspection.

Interabattoir consignments of inspected meat and meat products.

Class of product.	Shipments to official establishments.		Receipts from official establishments.	
	Number quarters and carcasses.	Smaller pieces (weight).	Number quarters and carcasses.	Smaller pieces (weight).
Beef	Quarters. 1,660,216 Carcasses. 18,887	Pounds. 149,261,488 5,675,988	Quarters. 1,843,027 Carcasses. 28,437	Pounds. 321,547,043 2,206,678
Mutton			20,451	
Veal	28,437	1,169,293	1,627	4,651,738
Pork	54,589	371,340,413	25,097	345,300,758

INSPECTION OF EXPORT MEATS.

There were 36,097 certificates of ordinary inspection issued to cover meat and meat products for export, as follows: 1,216,077 quarters, 22,652 pieces, 20 carcasses, and 1,795,051 packages of beef, weighing

361,012,062 pounds; 1,592 carcasses and 3,553 packages of mutton, weighing 206,570 pounds; 18,319 carcasses and 498,735 packages of pork, weighing 155,513,776 pounds; a grand total of 516,732,408 pounds.

The following statement shows, by years, the quantities of the different classes of meat for export under certificates of ordinary inspection since 1898:

Quantities of meat for export under certificates of ordinary inspection, 1898 to 1905.

Fiscal year.	Beef.	Mutton.	Pork.
	Pounds.	Pounds.	Pounds.
1898.....	339,650,091	324,996	244,956,482
1899.....	360,843,856	523,705	278,696,435
1900.....	438,138,233	680,897	272,050,663
1901.....	452,830,373	894,648	231,144,938
1902.....	416,990,762	1,145,248	188,360,011
1903.....	371,920,737	2,729,013	133,122,610
1904.....	419,058,781	712,089	154,442,440
1905.....	361,012,062	206,570	155,513,776

The large decrease in beef exports as indicated above was doubtless due to the strike previously mentioned.

The total cost of the work of ordinary inspection for the year was \$829,532.36.

THE MICROSCOPIC INSPECTION OF PORK.

IMPORTANCE OF INCREASING MICROSCOPIC INSPECTION.

The microscopic inspection of pork for export during the year has been far less than the requirements of the trade, and with insufficient funds for the work already in progress it has been impossible to increase this branch of the inspection service. The understanding with Germany and some other European countries at the time the prohibition on American pork was removed required a microscopic inspection for trichinæ by this Government and a certificate to accompany the pork stating that such inspection had been made. For a number of years, however, the German Government has not accepted the American certificate as having any sanitary value, and has reinspected, at the expense of the shipper, all pork received there from the United States. Nevertheless, it has appeared desirable to continue the microscopic inspection in this country in order to reduce to a minimum the percentage of trichinæ found on reinspection in other countries. This is an important measure for maintaining the reputation of our meats, and one which this country can not afford to neglect. But if a microscopic inspection is required for pork exported to the continent of Europe, a sufficient number of inspectors should be furnished to inspect all the meat that is called for by the trade, so that the effect of this inspection will not be to shut pork into this country rather than to aid in getting it out. It is an injustice to American pork producers to enforce measures which obstruct and lessen the export trade, as has recently been done; and either there should be sufficient funds provided fully to accommodate the trade or this inspection should no longer be required.

WORK OF THE PAST YEAR.

The number of hog carcasses examined for trichinæ was 346,026, classified as follows: Class A (free from all appearance of trichinæ), 336,623, being 97.28 per cent; class B (containing trichinæ-like bodies or disintegrating trichinæ), 5,666, being 1.64 per cent; class C (containing live trichinæ), 3,737, being 1.08 per cent.

The number of certificates issued for microscopically inspected pork was 1,960, covering 41,548 stamped packages, weighing 14,721,935 pounds, which, as will be seen from the comparative statement below, was an increase over 1904 of 5,701,414 pounds, being 63 per cent.

The number of trichinous carcasses disposed of was 3,652, weighing 819,922 pounds, 57 per cent of which was made into cooked meat products, the remainder, 43 per cent, being tanked.

The following comparative statement shows, by years, the quantity of pork exported to countries requiring microscopic inspection, from 1892 to 1905:

Quantities of pork exported to countries requiring microscopic inspection, fiscal years 1892 to 1905.

Year.	Pounds.	Year.	Pounds.
1892	22,025,698	1899	108,858,149
1893	8,059,758	1900	55,809,626
1894	18,845,119	1901	35,942,404
1895	39,355,230	1902	33,681,229
1896	21,497,321	1903	19,108,341
1897	42,570,572	1904	9,020,521
1898	120,110,336	1905	14,721,935

The cost of microscopic inspection was \$56,313.02, being an average of 16.27 cents for each carcass examined, and 0.38 cent for each pound exported.

OUR COMPETITORS FOR THE BRITISH MEAT TRADE.

As our most important market for dead meat is found in Great Britain, it is interesting to consider the condition of this trade for a number of years as compared with the development of this trade from other countries. The material for this comparison is found in the annual statement of the trade of the United Kingdom for 1904, from which the figures used in the following tables are taken:

Quantities of dead meat imported into the United Kingdom from certain countries from 1900 to 1904, inclusive.

Country.	1900	1901	1902	1903	1904
Total imports of United Kingdom	Cwt. 17,438,576	Cwt. 18,372,564	Cwt. 16,519,565	Cwt. 17,022,482	Cwt. 16,983,788
United States	9,541,542	10,473,827	8,124,336	7,548,529	7,110,827
Argentina	1,612,456	2,152,283	2,412,923	2,821,930	3,327,841
Denmark	1,306,540	1,258,319	1,553,647	1,760,657	1,954,229
New Zealand	1,338,524	1,748,706	1,921,262	2,238,737	1,837,636
Canada	823,072	605,541	688,067	941,124	1,106,408
Holland	1,034,045	1,009,241	1,053,801	1,106,373	1,014,507
Australia	1,096,891	912,478	484,435	336,261	359,176

This table indicates that the annual imports of dead meat into the United Kingdom have not varied greatly during the five years from 1900 to 1904. The imports from the United States show a decrease each year since 1901. From 1900 to 1904 the decrease has been $25\frac{1}{2}$ per cent, and from 1901 to 1904 it has been 32 per cent. The imports from Argentina have increased each year from 1900 to 1904. The total increase during these years has been slightly more than 100 per cent. The imports from Canada have increased 34 per cent. The imports from Denmark have increased $49\frac{1}{2}$ per cent. The imports from Holland and New Zealand have remained approximately the same, while those from Australia have decreased to about one-third of what they were in 1900. Our principal competitors in the British markets are, therefore, Argentina, Denmark, and Canada, each of which is rapidly increasing its trade, while our trade has been falling off.

By analyzing the trade more closely it is found that the only source from which our fresh-beef trade is threatened is the Argentine Republic. The imports from the two countries were as follows:

Imports of fresh beef into the United Kingdom from the United States and Argentina.

Country.	1900	1901	1902	1903	1904
United States	Cwt. 2,867,238	Cwt. 3,180,291	Cwt. 2,290,465	Cwt. 2,693,920	Cwt. 2,395,836
Argentina	412,262	771,929	923,748	1,152,211	1,675,271

This table shows that while the fresh-beef trade from the United States has decreased $16\frac{1}{2}$ per cent from 1900 to 1904, that from Argentina has increased over 300 per cent. It also shows that whereas the trade of the United States has diminished 784,455 hundredweight since 1901 the trade of Argentina has increased 903,342 hundredweight in the same time. It is worthy of notice that in 1900 the beef imports from Argentina were but 14.3 per cent of those of the United States, while in 1904 they were about 70 per cent of those from this country. The shipments of fresh beef from Argentina are therefore rapidly gaining on those from the United States and our shipments are now falling off almost to the same extent as those from Argentina are increasing.

The bacon trade is one which is also worthy of special study. The following table shows the most striking figures on this subject:

Imports of bacon into the United Kingdom from certain countries.

Country.	1900	1901	1902	1903	1904
United States	Cwt. 3,956,527	Cwt. 4,244,329	Cwt. 3,283,855	Cwt. 2,893,507	Cwt. 2,806,108
Denmark	1,094,626	1,060,909	1,255,627	1,496,101	1,723,884
Canada	529,864	398,697	462,487	665,249	829,883
Russia	5,655	27,168	34,721	45,964	41,918
Sweden	11,235	9,537	20,461	18,814	23,965

This table shows that the imports of bacon from the United States have decreased 1,150,419 hundredweight, or 29 per cent, since 1900; while increases have been made by Denmark of 629,258 hundred-weight, or 57 per cent; by Canada of 300,019 hundredweight, or 56 per cent; by Russia of 36,263 hundredweight, or 641 per cent; and by Sweden of 12,730 hundredweight, or 113 per cent.

The bacon trade is deserving of more attention than it has been receiving, for our natural conditions are such that we should be able to produce this article at a cost which would permit it to compete successfully for many years with any other part of the world. If we are producing a kind of bacon which does not fully meet the requirements of the trade, it would not be a difficult matter to change our type of hog sufficiently to comply with the demand. We should not, however, remain inactive while this important branch of our export trade declines and our commodity is gradually replaced by the product of other countries. There appears to be a more promising field for effort in Great Britain than in the markets of other countries, many of which are less favorable to our trade.

CONDITION OF THE OCEAN CARRYING TRADE.

The ocean carrying trade for live animals is one to which particular attention is invited, the number of clearances of vessels carrying live stock last year being 731. At the time the Bureau of Animal Industry was given supervision over this traffic, in 1891, with authority to regulate the fittings of steamships, the ventilation, the amount of feed carried, and the number of attendants, the losses were so heavy that the British Government was seriously considering the prohibition of the traffic because of the cruelty to which the animals were subjected and the bad condition in which many of them arrived.

The losses of cattle in transit had been very high, probably about 4 per cent, although exact figures are not obtainable, and on sheep they were somewhat higher. The first year the regulations went into effect the losses of cattle were reduced to 1.6 per cent and the losses of sheep to 1.7 per cent. This loss has been further reduced from year to year until during the year just closed it was but 0.138 per cent for cattle and 0.751 per cent for sheep; that is, the losses on cattle were reduced the first year of the Bureau control to about one-half what they had previously been and since that time they have been reduced to one-eleventh of what they were the first year. Similarly, the losses of sheep were reduced more than one-half the first year, and have been further reduced to less than one-half of the first year's figures. The insurance has been reduced from 8 per cent to one-third of 1 per cent—that is, to one twenty-fourth of the rate formerly charged—thus saving in this one item much more than the total appropriation for the Bureau of Animal Industry.

INSPECTION OF EXPORT ANIMALS.

The number of certificates of inspection issued during the year for American cattle exported to Europe was 1,269. The following statement, showing the number of live animals exported, indicates, when compared with the similar statement for the previous year, a falling

off of about 5 per cent in the number of American cattle, 31 per cent in the number of American sheep, and 28 per cent in the number of American horses exported.

Number of inspections, etc., of American and Canadian animals for export, fiscal year 1905.

Kind of animal.	American.				Canadian.		
	Number in-spected.	Number rejected.	Number tagged.	Number ex-ported.	Number in-spected.	Number rejected.	Number ex-ported.
Cattle -----	783,721	2,850	409,101	^a 395,695	41,193	12	41,181
Sheep -----	366,796	114	-----	^b 183,902	56,984	32	56,952
Horses -----	2,327	1	1,974	2,061	31	-----	31

^a 24,915 via Canada.

^b 6,302 via Canada.

All animals included in the foregoing statement were exported to Great Britain except 5,452 cattle, 2,074 sheep, and 97 horses to Belgium, 3 cattle and 142 horses to France, 21 cattle to South Africa, 131 horses to Germany.

In addition, other animals were exported as follows: 2,347 cattle, 2,465 sheep, 23 horses, 265 swine, and 6 mules, making a total of 5,106, destined as follows: 1,595 cattle, 1,941 sheep, and 12 horses to Bermuda; 700 cattle to Brazil; 445 sheep to Barbados; 10 cattle, 7 horses, and 5 swine to Argentina; 20 cattle, 4 horses, 6 mules, and 260 swine to Hawaii; 22 cattle to Mexico, and 79 sheep to West Indies.

Statement showing number of animals inspected at time of landing in London, Liverpool, and Glasgow, and loss in transit, fiscal year 1905.

From—	Cattle.			Sheep.			Horses.		
	Landed.	Lost.	Per cent of loss.	Landed.	Lost.	Per cent of loss.	Landed.	Lost.	Per cent of loss.
United States -----	368,648	508	0.138	178,236	1,348	0.751	1,680	9	0.533
Canada -----	32,975	103	.311	54,689	1,157	2.072	30	-----	-----
Total -----	401,623	611	.152	232,925	2,505	1.064	1,710	9	.524

In comparing the above statement with the preceding one, in which the numbers exported are shown, it is necessary to remember that many of the animals included in the former statement are not included in the latter, because they were landed at British ports, where no Bureau inspector is stationed, and hence are not reported from the other side.

IMPORTS OF DOMESTIC ANIMALS.

THE DANGER OF IMPORTING DISEASE.

There is always danger of importing the contagion of one of the Old World plagues which have been so destructive to live stock in Europe, Asia, and Africa. With faster ships and increasing traffic this danger is greatly augmented.

There is at present foot-and-mouth disease in Europe, Asia, and South America; rinderpest in Asia and Africa; pleuro-pneumonia in

Asia and Africa; and a variety of infectious diseases unknown to this continent which are destroying the farm stock in other sections of the world, and particularly in Asia and Africa. We are in especial danger from the Philippine Islands, where foot-and-mouth disease, rinderpest, and surra are known to exist, and from which it is very difficult to exclude all animals.

Our system of inspection and quarantine has been developed to a high state of perfection and gives great protection on the Atlantic coast, but the Pacific coast needs quarantine stations, and with continued traffic in susceptible species of animals there will always be the possibility of bringing contagion even with the most careful inspection.

It should be the policy of any country having such tremendous investments in live stock as have been made in the United States to exclude so far as possible all animals liable to harbor the contagion of the plagues most destructive to the meat-producing animals. There are few who appreciate the vast losses which such plagues cause or their effect upon the prosperity of a country. Either rinderpest or foot-and-mouth disease, if allowed to spread over this country, would cause a loss of three hundred millions to five hundred millions of dollars during the first two years, and might remain to prevent the recovery of the cattle industry for an indefinite period. The damage would be felt not alone by the agricultural industry, but by all citizens, and particularly by the laboring classes and by the poor of our cities, to whom such a limitation of the food supply would mean great hardship and suffering. It is of supreme importance, therefore, that great care and watchfulness be exercised to exclude contagion, and that this supervision be maintained over dogs, which may bring surra, and menagerie animals, which may bring rinderpest, foot-and-mouth disease, surra, and pleuro-pneumonia, as well as over farm animals.

IMPORTATIONS DURING THE YEAR.

The imports of pure-bred cattle, sheep, and hogs during the year have continued light. Those quarantined at the several quarantine stations are as follows:

Number of cattle, sheep, and swine imported and quarantined.

Port of entry.	Cattle.	Sheep.	Swine.
New York	223	259	9
Boston	4	89	7
Baltimore	42	68	16
Canadian border ports	127	86	84

Animals imported from Canada, not subject to quarantine.

Cattle	2,642	Asses	11
Sheep	84,272	Goats	1
Swine	2,012	Deer	2
Horses	3,108	Lions	3
Ponies	26	Total	92,081
Mules	2		
Burros	2		

Imports of horses, mules, donkeys, and asses through ports on the Atlantic and Pacific coasts amounted to 2,642.

QUARANTINE ISLAND.

There has been in the past few years a growing demand for an isolated point directly accessible to ocean steamers, or by barge, where animals may be quarantined safely, even though from a country where foot-and-mouth disease prevails. In June such a place was brought to the attention of the Bureau. This land is located on the Fresh Kills, a tributary of Staten Island Sound, and is known as Simonson's Island, comprising about 28 acres of upland, and is separated from the mainland of Staten Island on its land side by a ditch and wide expanse of salt meadow. An agreement has been made with the owners of the island and of a dock on the New Jersey side of Staten Island Sound, having connection with two railroads that may be used for shipping animals to destination when released from quarantine. This agreement gives the Bureau control, with but slight expense, as the owner will accept as rental or compensation a per capita fee, to be paid by importers, who will also, in accordance with the rule governing the quarantine of animals, pay for necessary feed, bedding, and animal attendants.

PRINCIPAL QUARANTINE STATIONS.

At the quarantine station for the port of New York, located at Athenia, N. J., the improvements on the grounds have progressed satisfactorily, and the work of grading yards and roads has advanced to such a degree that the whole property, consisting of 53 acres, presents an attractive appearance and is equipped in a thoroughly modern manner. At the station for the port of Boston eight of the best and most conveniently located stables have been thoroughly repaired and painted.

Animals imported from Mexico, fiscal year 1905.

Port of entry.	Cattle.	Sheep.	Swine.	Goats.	Horses.	Mules.	Asses.	Burros.	Deer.	Total.
San Diego, Cal.	256	4,740	1	3	112	17	62	4	—	5,195
Calexico, Cal.	1,467	—	—	—	23	53	—	—	—	1,543
El Paso, Tex.	9,459	—	1	2	9	—	2	—	—	9,473
Eagle Pass, Tex.	—	—	—	202	9	5	1	—	10	227
Laredo, Tex.	—	—	—	—	12	39	—	—	—	51
Nogales, Ariz.	11,828	1	10	—	103	26	18	—	1	11,987
Total	23,010	4,741	12	207	268	140	83	4	11	28,476

Inspections were also made of animals imported from Mexico in bond, as follows: At El Paso 3,172 cattle, 486 sheep, 30 horses, and 49 swine, in transit to Mexico; 902 cattle, 820 horses, 81 mules, and 23 asses, in transit to Canada; 364 mules, in transit to South Africa; at Laredo, Tex., 3 horses and 96 mules in transit to Cuba, and at Calexico, Cal., 133 American horses and 146 American mules returned from work on irrigation canal and railway in Mexico.

THE EXPERIMENTS IN FEEDING AND BREEDING.

The experiments in feeding and breeding, in cooperation with the State experiment stations, first provided for in the appropriation bill for the year just ended, open a field of work which, if wisely directed, should prove of the greatest value to the American stock raiser. There are many problems of this kind which urgently need solution, and perhaps there is no section of the country where the early investigation of feeding and breeding problems promises more for the welfare of agriculture than in the Southern States. The problems of the Southern stock grower are peculiar to his section, and can only be solved by experiments conducted in that section and under the conditions which there prevail. It is necessary to learn how the best breeds of cattle and sheep may be developed and maintained in the South without paying a too heavy tribute to the insect pests and parasites which find peculiarly favorable conditions for multiplication in the mild climate of that region. There is no doubt that much can be accomplished toward making the live-stock industry of the South more profitable, and the probability is that the great obstacles which have heretofore existed, such as the cattle tick (*Rhipicephalus annulatus*) and the internal parasites of sheep and cattle, may be brought under control, while the feeding problems may be elucidated with comparative ease.

Breeding problems exist in all parts of the country, and the farmers need especially to be assisted in developing our breeds to the highest efficiency and in fixing the types of highest excellence. Our conditions are such that the stock raisers of this country have not developed, established, and maintained distinct types of animals from our native stock, as has been the case in some other countries; and in cases where marked progress has been made toward this object the herds and flocks have been dispersed just at the time when they gave promise of future usefulness.

We have been depending too much upon the constant importation of breeding stock to keep up the excellence of our animals, and have introduced new types in our herds so frequently that the power to transmit the parents' qualities to the offspring has not been properly developed and, as a result, the animals do not breed as true to type as they should.

It consequently appears necessary that the Government should aid in such work, if there is to be sufficient permanence and singleness of purpose in the efforts to achieve success; but whether the required continuity of purpose and permanence can be secured even through Government aid is a question which only the future can answer. The importance of the matter is such, however, that it is well worth the experiment, even at considerable cost.

Several lines of investigation are in progress. The poultry-breeding work in Maine is proceeding and will be continued until definite results are reached. At the Pennsylvania Experiment Station experiments are continued with the respiration calorimeter in the study of animal nutrition. In Alabama a steer-feeding experiment has been conducted, the results of which seem to indicate that small amounts of cotton-seed meal and corn-and-cob meal were of equal feeding value, that the introduction of corn into the customary

cotton-seed meal ration was not advantageous, and that cotton-seed hulls, corn stover, and coarse sorghum hay have about equal feeding value.

Under the contract with the Colorado Experiment Station 6 mares were purchased in Wyoming, 12 in Chicago, and 1 stallion in Chicago. The Wyoming mares were selected from a large band of horses which were bred up from stock brought in from States farther east, and which carried considerable Morgan blood. The mares and stallion purchased in Chicago vary considerably in their breeding; all, however, are trotting bred, and some of them standard bred. The object of these experiments is to increase the tendency which the trotting horse possesses, to develop large, strong, well-made animals, the best of which will answer every requirement of the horse show for heavy harness horses, and the average of which will meet the demand for a good, general-purpose horse.

NEW INVESTIGATIONS.

The following new lines of cooperation have been arranged for: At the Storrs Experiment Station, in Connecticut, investigations will be started in milch-goat breeding with foundation stock brought from abroad. At the Rhode Island Experiment Station studies will be begun in breeding turkeys resistant to infectious enterohepatitis. In cooperation with the Maryland Experiment Station and the National Zoological Park experiments will be begun in breeding hybrids between the zebra and the mare. Six farm mares have been bought and will be bred to the Grevy zebra presented to the President by the Emperor of Abyssinia. This animal stands 13.2 hands and is strong and well built.

SUPERVISION OF PEDIGREE-RECORD ASSOCIATIONS.

A closer supervision over pedigree-record associations has been brought about and regulations upon the subject published as B. A. I. Order 130, dated October 14, 1904. These regulations require from each certified American association an annual report, the publication of books of record, and their submission to the department on publication. The associations must submit complete sets of the published volumes of their books of record, and complete statements of their business methods and financial condition. Foreign associations are obliged to keep complete sets of their books on file with the Department. Books of record are now certified as follows:

	American.	Foreign.
Cattle	14	31
Horses	17	23
Asses	1	2
Sheep	21	13
Hogs	13	2
Dogs	1	4
Cats	2	-----
Total	69	75

MILCH GOATS.

During the year the Bureau has taken up the project of the establishment of the milch-goat industry in this country. In Europe this is an important and profitable interest, while in this country it amounts to but little. It is recognized that could the industry be established here it would benefit several classes of citizens, particularly that large number of families in modest circumstances living in the outskirts of cities, and unable, by reason of the limited ground space available, to keep cows. The milch goat is hardy, subject to few diseases, and requires but a small amount of food as compared with the cow; the milk is produced in large quantities, when the size of the animal is considered, and has peculiar value as food for children, convalescents, invalids, and those suffering from tuberculosis or other wasting diseases. The manufacture of cheese from goats' milk annually brings thousands of dollars to many communities in the Old World.

Recognizing these facts, the Bureau has labored to arouse and stimulate popular interest in the milch goat. The publication of a bulletin (No. 68) served this purpose. Following this, Mr. George F. Thompson, editor of the Bureau and author of the bulletin, was sent to Malta to bring a number of the best milch goats from that island. Upon their arrival in this country these animals will be placed at the experiment station at Storrs, Conn., where, in cooperation with the authorities at the station, the Bureau will conduct experiments to determine their adaptability to climatic and other conditions of this country, and to ascertain the value of their milk, particularly in the manufacture of cheese and as a food for the sick.

WORK IN THE INTEREST OF THE DAIRY.

During the past year the Dairy Division of the Bureau, in addition to the routine work, has carried on experiments so far as possible with the means at its command. The magnitude of the dairy interest and the improvement that would result to it by the solution of a number of questions which can be solved only by a long-continued experimentation make it seem best, in the report submitted below, to give more prominence than usual to the mention of features of work which, as soon as possible, should be taken up.

RESEARCH WORK IN PROGRESS.**MANUFACTURE AND STORAGE OF BUTTER.**

One of the pertinent questions in relation to this topic is that of the control of the amount of water, salt, casein, and fat which butter contains. Creamery men desire to work all moisture possible into the butter, while Bureau of Animal Industry Order 127 makes it necessary to consider butter as adulterated which contains more than 16 per cent moisture. Very few butter makers know how to regulate the amount of moisture, and this fact, with the tendency in butter contracts toward a specification as to the amount of moisture (butter packed for the Navy must have less than 13 per cent), creates an

urgent demand for a short method of determining moisture in butter. The accurate chemical methods require too much time, and are not within the reach of the practical butter maker in the field.

A peculiar development in the large quantities of butter annually stored, and one which causes a loss of thousands of dollars, is the fishy flavor. The cause of this and of the other undesirable flavors which develop should be sought out and corrected.

Temperature is another thing which should be carefully studied, as it is yet undetermined just what temperatures are best for cold storage.

The effect of the amount of moisture on the keeping quality, the effect of the amount of salt, and the result of the presence of a large quantity of casein are practical and difficult questions the solution of which will require a long time and the services of the best men obtainable. The exact cause of fine flavors in cream, the question of the pasteurization of cream, the question of the farm separator, and its effect on quality, are all pertinent problems. The introduction of the farm separator has lowered the standard of creamery butter, and this fact must be met by an improved system of handling and manufacture. Centralization of the creamery business into large churning plants has given rise to unsolved problems of the transportation of cream from long distances, and the introduction of a better line of machinery.

Recently C. E. Gray, formerly chemist and expert for a large centralization plant, was employed as an expert to study these questions. L. A. Rogers, bacteriologist in the Dairy Division, was associated with him, and the work has been taken up in cooperation with the Iowa Experiment Station at Ames, Iowa. Professor McKay will be directly connected with the investigations. During the summer (1905) several thousand pounds of butter were placed in storage in Chicago, where excellent storage facilities in especially constructed rooms were turned over to the Dairy Division for its sole use. Here the butter is stored at 32° and 10° F. above zero and 10° below. A parcel of cream was divided equally—one part being pasteurized and the other part churned without pasteurization. Half of each lot of butter was salted normally and half with a higher percentage. Some of each lot was packed in 3-pound tins and the rest in 20 and 30 pound tubs. Some investigations have been made in Wisconsin as to the fishy-flavored butter in evidence in that State.

EXPERIMENTS IN CHEESE MANAGEMENT AND STORAGE.

Although in some respects more work has been done in the manufacture of cheese than in that of butter, there are many points that require investigation. Naturally the commercial tendency is to force greener cheese upon the consumer. This fact makes a study of the early ripening important. The questions of using more rennet, of incorporating more moisture, and of making a softer grade have a direct bearing on the time when the cheese is edible. There is need also for study into the question of flavors and their causes, the effect of pasteurizing the milk, the digestibility of various types of Cheddar cheese; and a systematic effort should be made to encourage a greater use of cheese by the American people, inasmuch as this country consumes less per capita than any other.

C. F. Doane, formerly dairyman and bacteriologist for the Maryland Agricultural College, has been appointed an expert in the Dairy Division for the study of these problems, and a cheese factory in Wisconsin selected as the place where a series of experiments on the lines indicated will be carried on.

Cooperation with the laboratories of the Department has been established so that samples of cheese of different ages may be artificially digested and analyses made, and experiments with this cheese on human subjects is also planned.

SOUTHERN DAIRYING.

The South presents many problems in dairying peculiar to that section. At present the South is supplied with dairy products almost entirely from Northern States. Condensed milk, cream, and butter, and practically all the cheese consumed, are from the North, while the Southern farmer devotes practically his whole attention to raising cotton. This cultivation of cotton upon the same fields year after year rapidly exhausts the soil, which must be restored by the use of commercial fertilizers at high prices. The great need of all this section is live stock; and dairy cattle should be among the first live stock introduced. The South can produce greater quantities of feed at less cost than can any other section of our country, but the lack of knowledge regarding the handling, care, and feeding of dairy stock and the kinds of crops to grow is the great drawback, and one with which the Dairy Division should be in a position to cope, both by sending its own men directly to the farms, and by cooperation with the State experiment stations and with State dairy organizations.

To study these questions, B. H. Rawl, dairyman at the Clemson Agricultural College, South Carolina, has been appointed as an expert. His work thus far has been to travel from point to point, studying the field and lending what encouragement he can to those who desire to go into dairying. Mr. Rawl has met with an enthusiastic reception, and he should be given several assistants, as hundreds of farmers have already shown themselves anxious for information and guidance. At Easley, S. C., a number of men have organized a cheese factory, and through the efforts of Mr. Rawl have been induced to build silos. Great interest is taken in the work by other dairymen in the South, many having indicated a desire to go to Easley and learn the methods, and it is expected to make this an objective center for dairy information. The establishment of other similar points for the diffusion of information in all the States would undoubtedly be attended with good results.

EXPERIMENTS IN THE MANUFACTURE OF EUROPEAN VARIETIES OF CHEESE.

Nearly all the cheese consumed in this country is of the Cheddar and Swiss varieties. In Europe, however, many fine varieties of cheese are made with which the average American is entirely unfamiliar, but the manufacture of which is very desirable in this country, inasmuch as the methods are simple and little machinery is required. Professor Clinton, director of the Storrs Experiment Station, with

this end in view, began an investigation, but, encountering many difficulties, he called upon this Department for assistance and three men were detailed to work under his direction along these lines. During the past year most of the time has been given to the Camembert type of cheese, and the work has been quite successful. Bulletin No. 71 has been published, detailing the difficulties and showing that it is possible to make this cheese in the United States. Another bulletin is in preparation which will give specific instructions for manufacture. The experimental work at present is on the Roquefort type, and complete information will soon be available to the public regarding details of manufacture and the difficulties that beset the average maker who desires to enter this line.

THE CITY MILK SUPPLY.

This live and important subject is receiving more attention in many cities to-day than any other special feature of dairying, but it has been practically neglected by the experiment stations. The milk supply of cities is a serious question, and the problems in connection with it urgently demand investigation and solution. The Department has numerous calls for information and assistance, and it should be in a position to supply men who could go from place to place to study the laws of municipalities regulating milk supply, to give lectures to the people as to what they should demand in the way of pure milk, to investigate sources of the supply with special reference to the sanitation of barns and premises, and to inform producers as to the best methods. The value of pasteurization should be studied both in the field and the laboratory, as well as the methods of the producers of what is called "certified" milk. In connection with transportation, the principles of refrigeration, proper vessels for the milk in transit, receiving by railroads, and the several methods of distribution are all questions which should be investigated and information regarding them obtained and spread. Frequent application is made to the Department for information as to regulations of the various municipalities on these subjects, and a compilation of such regulations would be a convenient document.

The publication of one bulletin, No. 70, on the milk supply of 29 Southern cities, and the preparation of one bulletin on the milk supply of Philadelphia, New York, and Boston practically cover the work done by the Bureau on this subject during the past year.

DAIRY HUSBANDRY.

The fact that 50 per cent of the registered stock in dairy herds of this country should be regarded as scrubs because of low production shows that something along the line of breeding should be undertaken upon a broad and comprehensive basis, such as has been done, for instance, in the breeding of plants. As special lines along which such work might profitably proceed, the following may be mentioned: A study of the adaptability of the different breeds to different localities, involving questions of climate, character of country, and feed conditions; investigation of the perplexing question of whether or not the so-called "dual purpose" dairy animal is or can be made more profitable for certain sections than other types; encouragement of the

use of ensilage and other coarse feeds; a study of how much grain—the most costly part of the cow's ration—can be replaced by these cheaper feeds; a study of the amount of concentrated feeds that can be fed without injury; the effect of feeding the by-products of distilleries and breweries—in short, the whole question of the effect of feeds on the quality of all dairy products; questions of breeding the proper time and season, the methods of handling breeding stock, shelter, exercise, cleanliness, the feeding of young stock; a systematic line of work in various States, whereby farmers might be induced to keep books of record showing quantities of feed eaten and the amount of product secured, so that unprofitable individuals may be thrown out of the herd. In these lines a vast improvement would result could the work be taken up and prosecuted by the Bureau. Investigation should also be made of the principles underlying the mechanism of farm dairy machinery, and the information obtained should be made public; an endeavor should also be made to secure plans and specifications of the best buildings for dairy purposes.

During the past year very little work has been done by the Bureau along these lines. Two bulletins have been prepared showing great numbers of records of individual animals and of dairy herds, and an investigation of a milking machine, largely from a sanitary standpoint, is now in progress. It can readily be seen, therefore, that there is room for considerable expansion.

RESEARCH WORK CONTEMPLATED.

CREAMERY AND CHEESE FACTORY MANAGEMENT.

Aside from answering correspondence nothing has been done by the Dairy Division on this subject, yet the field is broad and the possibilities great. For instance, upon the introduction of the factory system of manufacturing butter and cheese this country was thought to be a good place to employ the cooperative plan, and many such factories were established. Hundreds of these organizations have been failures. Among other concerns in the business there have also been many failures. These are not due to lack of business capacity, but to a lack of knowledge of the exceedingly numerous and sometimes obscure details of dairy work. Again, the tendency is now toward centralization in the creamery business, and this is looked upon by the producers with considerable misgiving. Could not the Dairy Division of the Bureau profitably investigate these matters and give out accurate and definite information as to the management of creameries? Persistent effort should also be made to induce manufacturers to make such dairy machinery as can be easily kept in a sanitary condition. Makers do not now seem to realize the importance of this point. For the benefit of small concerns investigation should be made as to the kind of equipment necessary to be used, so far as the principles of construction are concerned, and as to cold storage and the disposition of sewage. Important, also, especially where the centralization system has been adopted, is the problem of the transportation of milk and cream to the factory and of the manufactured product to the consumer, and any light thrown on this point would be welcomed both by manufacturers and by the railroads.

INSPECTION OF DAIRY PRODUCTS IN THE MARKETS.

From one-half to three-fourths of the butter that comes to the great markets will not score as "extras," which means that it is not a good quality of butter. Inquiry among butter dealers and officials of State dairy organizations, dairy schools, and State dairy commissioners, leads to the belief that the Bureau, through the Dairy Division, has here a great field for operation. Competent men should be placed in the large markets to score the poorer grades of butter as they come in and report back to the particular State and creamery. The continued shipment of poor goods might be met by sending an expert from the Bureau or from the State to the creamery to study the reasons and to give instruction. The same possibilities are open in the cheese business, though perhaps to a less extent. Thus far the Bureau has done nothing along such lines. In connection with the plan proposed something should be done also toward studying conditions for foreign countries. The Dairy Division has to a limited extent attempted to export butter abroad, but the knowledge gained has not been practical. A thorough study of the conditions and requirements of foreign markets where our butter is likely to find sale would be a benefit.

DAIRY PRODUCTS OTHER THAN BUTTER, CHEESE, AND MILK.

This is another field in which the Bureau has done practically nothing. The manufacture of ice cream is a great industry, but much of the ice cream placed on the market is inferior in quality. The Department should be in position to investigate this question with a view to improvement. The manufacture of condensed and evaporated milk should also be studied. Experiments should be carried on in the manufacture of skim-milk cheese in order to determine if a cheese of this character should not be placed on the market, so that those who are forced to economy may be able to buy a product that is both cheap and wholesome. Numberless food products made in whole or in part of casein of milk should be investigated. The use of milk products in the arts could be studied with profit, and there should be wide experimentation to find profitable outlets for the skim milk and whey of creameries and factories. The use of buttermilk as a drink should receive attention and means be devised to put this wholesome product more generally on the market.

DAIRY STATISTICS.

The need of information of this kind is aptly shown by the speculation as to the cause of the high prices of dairy products during the past winter. Shortage of production, the effects of the oleomargarine law, a greater relative increase in consumption than production, etc., were all alleged as reasons, but satisfactory information was not obtainable. During the storage season buyers who would put butter in storage can not know how the make of the particular year compares with that of previous years. This has a bad effect on prices. These subjects, along with those of the quantities of dairy products manufactured in the country, the quantities put in storage for future consumption, and the amounts of exports and imports, all seem to be

proper questions for investigation by this branch of the Bureau. The only work thus far done is the publication of figures based on the Eleventh and Twelfth censuses, and there has been a large demand for these publications.

INDEXING AND CLASSIFYING DAIRY LITERATURE.

No comprehensive index of dairy literature exists in this country. Information on any dairy topic is obtained only by an examination of numberless books and pamphlets. The great mass of literature should be indexed and classified, including the current literature, so that all the knowledge on any branch of the subject might be easily and quickly made available at any time.

INSPECTION WORK.

INSPECTION OF RENOVATED BUTTER.

Under the law of May, 1902, and the regulations of the Department made in accordance therewith, regular inspection of renovated butter plants has been carried on during the year by inspectors appointed for that purpose. Reports of such inspection on file in the Dairy Division show a tendency among makers to conform to the rules and to endeavor to improve the quality of their goods. The duties of the Bureau inspectors have included a thorough sanitary inspection of plants, inspection as to marking and packing of goods, and inspection of export renovated butter. Inspectors have reported few violations of the rules on the part of manufacturers, but this, unfortunately, is not true of dealers selling renovated butter. Many of the latter have contended that they have a right to remove all marks from such goods and to sell them for whatever they please. A recent decision in the United States district court of southern New York has sustained in every particular the rules and regulations of the Bureau as set forth in Order 127. This decision has been appealed by the defendants to a higher court, and a final decision will probably be reached during the coming winter.

The total amount of renovated butter made during the twelve months ending June 30, 1905, was 60,164,783 pounds, as compared with 54,171,183 pounds made during the twelve months ending June 30, 1904. The demand for all grades of butter was so great during the past year that all the packing stock available was used by the manufacturers, and there is, consequently, little old stock now used. In this line it is recommended that experiments be taken up to improve the general quality of the product. Renovated butter is a legitimate article of food, and it is not the policy of the Department to destroy its manufacture or its market, but to enforce the law which has for its purpose the protection of the consumer against fraud. The consumer could aid in this if he would in all cases ask whether or not the butter sold him is renovated. He could be assured that butter bearing the Government renovated stamp was made under sanitary conditions, and from goods containing nothing deleterious to health.

Statutory salaries, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.

Name.	Designation.	Appointed.	Services ended.	Compensation per annum.
WASHINGTON, D. C.				
D. E. Salmon.....	Chief of Bureau.....	July 1, 1904	.....	\$5,000
A. D. Melvin.....	Assistant chief of Bureau.....	Jan. 1, 1899	.....	2,500
E. B. Jones.....	Chief clerk.....	Oct. 1, 1903	.....	2,000
A. M. Farrington.....	Chief of inspection division.....	Jan. 1, 1899	.....	2,500
H. J. Washburn.....	Assistant chief of inspection division.....	Mar. 20, 1903	.....	1,800
H. E. Alvord.....	Chief of dairy division.....	July 1, 1895	Oct. 1, 1904	2,500
E. H. Webster.....	..... do	Jan. 17, 1905	.....	2,500
C. B. Lane.....	Assistant chief of dairy division.....	Nov. 1, 1903	.....	1,800
John R. Mohler.....	Chief of pathological division.....	July 1, 1902	.....	2,500
George H. Hart.....	Assistant in pathological division.....	Nov. 1, 1904	.....	1,200
Do.....	Veterinary inspector.....	Jan. 1, 1905	.....	1,400
J. N. Hornbaker.....	Assistant in pathological division.....	July 1, 1904	.....	1,200
B. C. Oberly.....	..... do	July 1, 1901	.....	1,200
Do.....	Clerk.....	Nov. 1, 1904	.....	1,400
T. B. Reamy.....	Assistant in pathological division.....	July 1, 1896	.....	840
Marion Dorset.....	Chief of biochemical division.....	Feb. 1, 1904	.....	2,500
James A. Emery.....	Assistant in biochemical division.....	July 1, 1903	.....	1,800
Thomas M. Price.....	..... do	Apr. 15, 1903	.....	1,400
Do.....	Scientific assistant.....	Apr. 1, 1905	.....	1,600
E. W. Brown.....	..... do	Jan. 15, 1904	.....	1,400
Nellie F. Haughton.....	Assistant in biochemical division.....	Jan. 1, 1901	.....	1,200
Alice Henderson.....	..... do	July 1, 1902	.....	720
Do.....	Clerk.....	Feb. 1, 1905	.....	840
Gertrude L. Woodin.....	Assistant in biochemical division.....	July 1, 1904	.....	720
Do.....	Clerk.....	Oct. 1, 1904	.....	900
Do.....	..... do	Feb. 1, 1905	.....	1,000
Rose Browning.....	Assistant in biochemical division.....	Apr. 15, 1905	.....	720
R. W. Hickman.....	Zoologist.....	Mar. 20, 1903	.....	2,500
Albert Hassall.....	Veterinary inspector.....	Dec. 1, 1901	.....	1,800
John S. Buckley.....	..... do	Mar. 20, 1903	.....	1,600
Chas. F. Flocken.....	..... do	July 1, 1903	.....	1,400
George B. Morse.....	..... do	Mar. 20, 1903	.....	1,400
E. C. Schroeder.....	Superintendent of experiment station.....	July 1, 1901	.....	2,000
George W. Brett.....	Assistant superintendent of experiment station.....	Mar. 16, 1901	.....	1,000
James M. Pickens.....	Editorial clerk.....	May 1, 1903	.....	1,800
H. H. Gerdes.....	Clerk.....	Apr. 1, 1897	.....	1,800
Joseph Abel.....	..... do	Mar. 20, 1903	.....	1,600
Charles C. Carroll.....	..... do	July 1, 1902	.....	1,400
Fannie N. Gregory.....	..... do	Apr. 1, 1897	.....	1,400
Evelyn Lyons.....	..... do	July 1, 1898	.....	1,400
Irving W. Pew.....	..... do	July 1, 1904	.....	1,400
McP. Reynolds.....	..... do	Jan. 1, 1891	.....	1,400
Thomas A. Scott.....	..... do	Jan. 1, 1904	.....	1,400
Mary Sullivan.....	..... do	Apr. 1, 1897	.....	1,400
Mary T. Dent.....	..... do	Mar. 1, 1893	.....	1,200
Mary E. Fagan.....	..... do	July 1, 1902	.....	1,200
Frank R. Fravel.....	..... do	Jan. 1, 1904	.....	1,200
Martha H. Mahon.....	..... do	Apr. 1, 1897	.....	1,200
Mary G. Marshall.....	..... do	July 1, 1897	.....	1,200
Sadia Haskell.....	..... do	Jan. 1, 1904	.....	1,000
Edw. C. Johnston.....	..... do	July 1, 1904	.....	900
Do.....	..... do	Jan. 1, 1905	.....	1,000
Mary C. Montgomery.....	..... do	July 1, 1898	Dec. 31, 1904	1,000
Eunice R. Oberly.....	..... do	Jan. 1, 1903	Nov. 1, 1904	1,000
Chas. A. Pfender.....	..... do	July 1, 1903	.....	1,000
Sallie R. Reeves.....	..... do	July 1, 1904	.....	1,000
Leroy Scribner.....	..... do	Dec. 1, 1900	.....	1,000
H. L. Watson.....	..... do	Jan. 1, 1904	.....	1,000
Geo. W. Stiles, jr.....	..... do	Apr. 1, 1904	.....	900
Do.....	..... do	Nov. 1, 1904	.....	1,000
Do.....	Assistant in pathological division.....	Jan. 1, 1905	.....	1,200
B. M. Rowley.....	Clerk.....	Apr. 21, 1905	June 30, 1905	900
Mary A. Agnew.....	..... do	Mar. 1, 1904	.....	840
Alice C. Atwood.....	Scientific assistant.....	July 1, 1904	.....	840
Do.....	Clerk.....	Jan. 1, 1905	.....	840
Anna C. Crain.....	..... do	June 29, 1899	.....	840

Statutory salaries, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation per annum.
Lucie E. Fairfax.....	Clerk.....	Apr. 1, 1904	.....	\$840
H. J. Fegan.....	do.....	Feb. 16, 1905	.....	840
Wm. L. Marcy.....	do.....	Oct. 1, 1904	Feb. 16, 1905	840
L. J. Simonton.....	do.....	Aug. 1, 1902	.....	840
Walter R. Swank.....	do.....	Dec. 1, 1904	.....	840
Do.....	do.....	Feb. 1, 1905	.....	900
W. S. D. Haines.....	Illustrator.....	July 1, 1900	.....	1,400
Geo. I. Hall.....	Fireman.....	July 1, 1896	.....	720
Benj. R. Sherwood.....	do.....	Apr. 1, 1903	.....	720
Chas. C. Croghan.....	Messenger.....	July 1, 1900	.....	720
Asa H. Kite.....	do.....	July 1, 1896	.....	720
John Nicholas.....	do.....	Mar. 16, 1903	.....	720
W. C. Shimoneck.....	do.....	Apr. 3, 1897	.....	720
E. G. Grau.....	Skilled laborer.....	May 16, 1903	.....	660
Geo. W. Scheerer.....	do.....	Jan. 16, 1898	.....	660

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.^a

	Salaries.	Traveling expenses.	Miscellaneous.	Total.
Meat inspection.....	\$752,840.12	\$5,294.46	\$89,491.73	\$827,626.31
Microscopic inspection.....	52,421.88	21.10	3,769.54	56,212.52
Export cattle inspection.....	63,457.13	270.49	5,058.86	68,586.48
Import cattle inspection.....	13,831.44	2,076.50	12.50	16,020.44
Contagious diseases of animals.....	177,544.93	67,508.76	4,629.42	249,683.11
Contagious diseases of horses.....	4,469.17	1,830.25	1,911.35	8,210.77
Washington and miscellaneous.....	31,550.39	2,331.14	6,126.59	40,008.12
Scientific investigations.....	24,998.27	348.82	7,750.62	33,097.71
Experiment station, Bethesda, Md.....	18,085.32	.....	23,188.70	41,284.02
Dairy division.....	20,444.26	8,388.99	2,437.90	31,271.15
Quarantine stations.....	7,850.20	216.79	2,788.37	10,835.36
Hog cholera serum experiments.....	3,997.99	604.54	1,317.67	5,920.20
Animal husbandry.....	4,363.99	622.54	957.50	6,144.03
Experiments in animal nutrition.....	2,342.54	.....	2,342.54	513.34
Hawaiian inspection.....	513.34	.....	.....	513.34
Total.....	1,179,110.97	\$89,514.38	129,480.75	1,398,056.10

Statement of disbursements from the emergency appropriation, 1904-5.^a

	Salaries.	Traveling expenses.	Miscellaneous.	Total.
Contagious diseases of animals.....	\$70,646.79	\$46,745.33	\$1,655.57	\$119,047.69

Statement of disbursements from animal breeding and feeding appropriation.^a

	Salaries.	Traveling expenses.	Miscellaneous.	Total.
Experiments at agricultural stations.....	\$3,052.08	\$970.86	\$15,576.48	\$19,599.42

^a Including vouchers paid to October 1, 1905.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscella-neous.	
				Per diem.	Per annum.		
WASHINGTON AND MISCELLANEOUS.							
Robert M. Reese.	Assistant.	July 1, 1904		\$2,000			
Geo. F. Thompson.	Editor.	Mar. 20, 1903		2,000			
Albert L. Pinney.	Special agent.	June 16, 1903		1,800			
Granville H. Parks.	Architect.	July 1, 1902		1,600			
John Wm. Fink.	Inspector.	June 1, 1904		1,500			
Andrew Fossum.	Clerk.	July 1, 1904		1,400			
C. O. Goodpasture.	do.	Feb. 1, 1904		1,400			
A. G. Guthridge.	Telegraph and telephone operator.	July 1, 1903		1,400			
W. J. Nevius.	Clerk.	Apr. 15, 1903		1,200			
do.	do.	Jan. 1, 1905		1,200			
A. J. Browning.	Stenographer.	May 15, 1905		1,200			
E. J. Newmyer.	Clerk.	June 30, 1905		1,200			
Joseph A. Rice.	do.			1,200			
B. G. Wasdon.	Instrument repairer.	Aug. 15, 1904		1,200			
Colman Brez.	do.	July 1, 1903		1,200			
Do.	do.	Dec. 1, 1901		1,000			
R. E. L. Thompson.	Carpenter.	Dec. 1, 1904		1,000			
Edw. J. Maloy.	Messenger and custodian.	July 1, 1903		1,000			
Gerttrude L. Woodin.	Assistant, biochemical division.	July 1, 1904		1,000			
Do.	Clerk.	Oct. 1, 1904		900			
Louise Breerton.	Microscopist.	Dec. 1, 1904		900			
Do.	Assistant microscopist.	May 1, 1904		900			
H. Inez Temple.	Microscopist.	Dec. 1, 1904		600			
Do.	Assistant microscopist.	May 1, 1904		600			
R. H. Cooke.	Messenger.	July 1, 1904		840			
E. G. Ritzman.	Assistant animal husbandman.	Feb. 1, 1905		840			
Wm. Stedman.	Messenger.	July 1, 1902		840			
Paul A. Hines.	Laborer.	July 1, 1900		720			
Louis C. Schilling.	Assistant messenger.	July 1, 1904		600			
Do.	do.	do.		720			
August L. Dahl.	Laborer.	July 1, 1905		600			
Cora A. Houseman.	Assistant microscopist.	June 10, 1898		600			
O. A. Phillips.	Laborer.	Mar. 1, 1905		540			
Martha Barrett.	Charwoman.	Aug. 16, 1904		480			
Alice V. De Atley.	do.	July 28, 1903		480			
Phoebe De Atley.	Laborer.	Aug. 16, 1902		469.33			

Eliz. Fleming.....	Charwoman	Oct. 1, 1901	Aug. 15, 1904	.....
Mary E. Martin.....	do.....	Aug. 1, 1902	480	.....
Willena Moze.....	Laborer.....	Aug. 1, 1901	480	.....
Estelle L. O'Bonke.....	Charwoman	Jan. 4, 1901	480	.....
Keith K. Rozzelle.....	Messenger boy .....	.....	480	.....
M. E. Sullivan.....	Charwoman	Nov. 1, 1902	480	.....
A. F. Fletcher.....	Messenger boy	Jan. 1, 1905	480	.....
E. H. Henderson.....	Electric wireman	Dec. 1, 1904	480	.....
A. H. Hollidge.....	Laborer.....	Mar. 20, 1905	360	.....
J. F. Skidmore.....	do.....	Feb. 4, 1905	a \$60.00	.....
W. E. Miller.....	Clerk.....	July 1, 1903	a 60.00	.....
Royal G. Steedman.....	Laborer.....	May 17, 1905	a 60.00	.....
Dani. J. Byrnes.....	Watchman.....	July 1, 1901	a 60.00	90.00
Corinne E. Eaton.....	Laborer.....	Aug. 8, 1904	a 50.00	720.00
C. W. Given.....	do.....	Jan. 1, 1903	a 50.00	178.33
Wm. Halley.....	Watchman.....	Mar. 9, 1905	a 50.00	600.00
C. W. Towes.....	Laborer.....	Aug. 16, 1904	a 50.00	61.67
Ida A. Cook.....	Charwoman.....	Nov. 1, 1903	a 50.00	65.00
Bennett Hammond.....	Messenger boy	Apr. 4, 1903	a 50.00	100.00
Amelia Turner.....	Skilled laborer.....	Nov. 7, 1904	a 40.00	456.00
Edw. L. Maini.....	Messenger boy	Dec. 1, 1904	a 40.00	8.00
J. A. Cratty.....	Plumber.....	May 24, 1905	a 30.00	200.00
J. F. Barghausen.....	Carpenter.....	.....	4.00	38.00
E. J. Bashford.....	Electric lineman .....	.....	3.00	52.00
John Cattwell.....	Painter.....	Apr. 12, 1904	3.00	15.00
Wm. R. Atkins.....	Emergence unskilled laborer.	July 16, 1904	1.50	9.00
Wm. Brisco.....	do.....	Jan. 16, 1905	1.50	39.00
Alex. Washington.....	do.....	do.....	1.50	7.50
D. E. Salmon.....	do.....	Dec. 31, 1904	1.50	7.50
Geo. P. McCabe.....	.....	.....	.....	1 Traveling expenses.....
James M. Pickens.....	.....	.....	.....	420.63
S. R. Burch.....	.....	.....	.....	327.05
B. C. Oberly.....	.....	.....	.....	215.66
H. L. Watson.....	.....	.....	.....	68.30
C. A. MacMillan.....	.....	.....	.....	55.90
Alex. T. Butler.....	.....	.....	.....	23.50
Andrew Hyde.....	.....	.....	.....	25.15
E. K. Ward.....	.....	.....	.....	23.90
Harry M. Ball.....	.....	.....	.....	24.80
The Pennsylvania R. R. Co.....	.....	.....	.....	5.00
The Pullman Co.....	.....	.....	.....	3.70
The Atchison, Topeka and Santa Fe Rwy. Co. Chicago, Burlington and Quincy Rwy. Co. Chicago and Northwestern Rwy. Co. The Chesapeake and Ohio Rwy. Co.	Transportation, Salmon and McCabe, et al.	.....	.....	283.00
.....	Transportation, Salmon and McCabe, et al.	.....	.....	98.50
.....	Transportation, Salmon and McCabe.	.....	.....	98.55
.....	do.....	.....	.....	52.25
.....	do.....	.....	.....	42.25
.....	Transportation, Salmon and Thompson.	.....	.....	96.00

^a Per month

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.		
WASHINGTON AND MISCELLANEOUS—continued.									
The Baltimore and Ohio R. R. Co.						Transportation, Salmon and Pickens.		\$44.75	
Union Pacific R. R. Co.						Transportation, McCabe		74.30	
Denver and Rio Grande R. R. Co.						do		9.70	
Southern Pacific Rwy. Co.						Transportation, McCabe and Pickens.		87.50	
Chicago, Rock Island and Pacific Rwy. Co.						Transportation, D. E. Salmon.		\$24.50	
Great Northern Rwy. Co.						do		25.75	
Chicago, Milwaukee and St. Paul Rwy. Co.						do		11.50	
Southern Rwy. Co.						Transportation, J. M. Pickens.		55.00	
Alabama Great Southern R. R. Co.						do		39.35	
Galveston, Harrisburg and San Antonio Rwy. Co.						do		30.00	
W. L. Swaze...						Stationery		\$915.84	
R. Carter Ballantyne...						do		113.69	
D. Frank Parker...						Typewriter supplies		485.77	
Remington Typewriter Co...						Typewriter and supplies		441.10	
Kudolph, West & Co...						Hardware		110.28	
Thos. Somerville & Sons...						do		91.71	
James B. Lambie Co. (Inc.)						do		40.64	
Markall Bros...						Toilet soap, combs, etc		109.07	
Eberhard Faber...						Pencils and rubber bands		295.68	
H. C. Davison & Co...						Copying books		113.82	
M. Goldsmith & Son...						Inspectors badges and plates		114.75	
Library Bureau...						Cards and guides		105.40	
C. S. Braisted...						Pencils		101.92	
Union Envelope Co...						Envelopes		389.76	
U. S. Envelope Co...						do		23.70	
Church & Stephenson...						Lumber		225.03	
I. D. Graham...						Manuscript		150.00	
Underwood Typewriter Co...						Typewriter and supplies		107.50	
The Oliver Typewriter Co...						do		75.00	
Potomac Electric Power Co...						Electric current		97.69	
Adams Express Co....						Expressage		195.11	

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

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The Geo. W. Knox Express Co.	6.30
U. S. Express Co.	71.91
Baltimore and Ohio R. R. Co.67
Western Union Telegraph Co.	169.94
Postal Telegraph-Cable Co.	85.37
Harvard Laundry Co.	43.39
Yawman & Erbe Mfg. Co.	32.91
Woodward & Lothrop	91.55
J. P. Navrath.	65.80
Capital Traction Co.	50.00
Ernest Betz	64.40
J. Manz Engraving Co.	35.00
E. Morrison Paper Co.	29.22
James Elliott & Co.	55.00
The Chesapeake and Potomac Telephone Co.	48.78
W. B. Moses & Sons.	37.45
Lamb & Tilden	33.25
Felt & Tarrant Mfg. Co.	195.00
E. P. Hazleton	40.00
M. Du Perow	33.69
E. J. Pullman	34.46
Barber & Ross	30.94
E. J. Murphy & Co.	35.00
Doten-Dunton Desk Co.	27.50
Chas. R. Edmonston	22.95
Z. D. Gilman	15.60
E. C. Atkins & Co.	17.29
A. F. Mulhearn.	15.00
Southern Printers' Supply Co.	11.30
The J. C. Bergood Co.	13.12
R. P. Clarke Co.	13.83
E. L. Tibbets	10.00
J. S. J. Clark	10.00
Wm. H. Rupp Co.	9.60
Geo. T. Fritch & Son.	8.00
Charles P. Sweet.	7.40
"Oliver" Machinery Co.	185.00
The Publishers and Printers' Engraving Co.	8.75
Walter Engraving Co.	do
J. Karr's Sons.	2.00
N. H. Shea	7.00
Geo. E. Bedell	5.76
John Underwood & Co.	7.95
Geo. F. Math & Co.	4.05
National Electric Supply Co.	6.10
Lansburgh & Bro.	7.00
Francis Miller	4.74
Jerold R. Leucher	4.31
Densmore Typewriter Co.	3.35
Repairing typewriter.	4.00

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

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SCIENTIFIC INVESTIGATIONS.				
B. M. Bolton	Expert	May 1, 1904	a 150.00	1,800.00
Do	do	Oct. 1, 1904	\$1,800	1,450.00
C. N. McBryde	Scientific assistant	Jan. 1, 1904	1,400	1,450.00
Do	do	Apr. 1, 1905	1,600	400.00
T. M. Price	Assistant, biochemical division	Apr. 15, 1903	1,400	400.00
Do	Scientific assistant	Apr. 1, 1905	1,600	1,450.00
B. H. Ransom	do	Jan. 1, 1904	1,400	19.35
Do	do	Apr. 1, 1905	1,600	1,007.22
Ernest W. Brown	do	Jan. 15, 1904	1,400	
B. C. Oberly	Assistant, pathological division	July 1, 1901	1,200	933.30
Do	Clerk	Nov. 1, 1904	1,400	
A. A. Harmon	Assistant inspector	July 12, 1904	1,200	1,100.00
Geo. H. Hart	do	Dec. 7, 1903	1,200	
Do	Assistant, pathological division	Nov. 1, 1904	1,200	400.00
Carrie Myers	Clerk	Jan. 1, 1904	1,200	1,070.00
W. S. Stanner	do	July do	1,200	1,200.00
A. M. West	Assistant, biochemical division	July 1, 1904	1,200	1,050.00
E. C. Stevenson	Scientific assistant	do	900	925.00
Do	do	Apr. 1, 1905	1,000	
Lena B. Goetz	Skilled laborer	Feb. 15, 1904	840	840.00
H. W. Graybill	Scientific assistant f.	Feb. 20, 1905	840	301.00
H. J. Shore	Laborer	July 1, 1903	750	735.00
Do	Laboratory assistant	Jan. 1, 1905	750	
Alice Henderson	Clerk	June 4, 1904	720	180.00
Do	do	Oct. 1, 1904	720	720.00
S. D. Castileman	Assistant, biochemical division	July 1, 1900	720	720.00
Owen R. Perry	Laborer	Sept. 16, 1901	900	350.00
Louise Breerton	do	May 1, 1904	600	
Frank L. Roctor	Microscopist	Dec. 1, 1904	600	280.00
Do	Assistant microscopist	July 1, 1904	600	
R. C. Harley	Scientific aid	May 1, 1905	600	600.00
Do	Scientific assistant	May 18, 1905	600	720.00
H. S. McAuley	Laboratory helper	Oct. 1, 1897	480	480.00
Louise Douglas	Chaverwoman	July 1, 1900	480	
Jennie Jones	do	do	480	280.00
Kate Wasson	do	Mar. 25, 1905	480	
Lulu Marshall	do	June 4, 1904	480	200.00
Do	do	Jan. 5, 1905	240	720.00
R. C. Harley	Expert assistant	do	a 60.00	600.00
James M. Perry	Classified laborer	do	a 60.00	600.00
Fanny Tyson	Laborer	do	a 60.00	600.00
Wm. Alexander	do	do	a 50.00	600.00
A. C. Cassell	do	July 1, 1902	a 50.00	600.00
V. E. Johnson	do	Apr. 16, 1901	a 50.00	600.00
H. Maria Parton	do	July 1, 1900	a 50.00	600.00
Sadie S. Berlin	do	May 4, 1901	a 40.00	480.00
Grace M. Curran	Clerk	Apr. 26, 1905	a 40.00	600.00
Clara T. Gill	Unskilled laborer	May 1, 1904	a 40.00	480.00

a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation. Per diem.	Per annum.	Disbursements. Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
SCIENTIFIC INVESTIGATIONS—continued.									
M. L. Hughes.....	Unskilled laborer.		May 22, 1905	a \$40.00				\$53.33	
A. E. Phillips.....	Laborer.....		July 30, 1900	a 40.00				480.00	
Fred K. Meyett.....	Occasional laborer.		Jan. 1, 1905	1.50				120.00	
John R. Mohler.....									\$226.10
J. E. Blackwell.....						Traveling and miscellaneous expenses.			
H. R. Ryden.....						Traveling expenses.		15.45	
H. J. Washburn.....						do		14.52	
J. K. Green.....						do		5.60	
Thomas Cook & Son.....						do		5.06	
The Pennsylvania R. R. Co.....						Transportation, Norgaard.....		146.75	
Southern Rwy. Co.....						Transportation, McBryde.....		30.15	
New Orleans and North Eastern R. R. Co.....						Transportation, Mohler.....		27.50	
Potomac Electric Power Co.....								26.50	
Mackall Bros.....						Electric current.			
Chas. M. Day.....						Breakers, filters, etc.			
Washington Gas Light Co.....						Blackleg material.			
Library bureau.....						Gas.			
B. H. Raason.....						Cards and guides.			
Geo. E. Howard.....						Sheep, lime, etc.			
American Ice Co.....						Vaccine, envelopes, and plates.			
Bausch & Lomb Optical Co.....						Ice.			
Z. D. Gilman.....						Forcops, flasks, and tubes.			
Marion Dorset.....						Sterilizer, syringes, and thermometers.			
J. Harrison Johnson & Son.....						Culture-media material.			
Harvard Laundry Co.....						Laundry of towels and cloths.			
W. M. Galt & Co.....						Reent of laboratory.			
Eimer & Amend.....						Wheat, oats, and corn.			
Church & Stephenson.....						Extraction apparatus, etc.			
Geo. D. Feild & Co.....						Lumber.			
The Hammond Typewriter Co.....						Leptone, sulphate, etc.			
The American Distributing Co.....						Typewriter and supplies.			
F. P. Shea.....						Alcohol.			
E. W. Brown.....						Two cows.			
Chas. R. Edmonston.....						Jugs, filters, and tubes.			

37.40	
	Plumber's material.....
26.95	Disinfectors.....
30.92	Ice chest, shades, and mat.....
500.29	Printing bulletins.....
35.93	Desk and chairs.....
26.12	Pipettes and burettes.....
15.20	Rats, mice, and pigeons.....
22.00	Trays, pans, and repairs.....
18.79	Syringes and needles.....
10.35	Repairs to typewriters.....
28.78	Typewriter table and repairs.....
10.45	Lumber, labor, etc.....
36.10	Rubber bags and sheeting.....
32.56	Beakers, vials, and dishes.....
21.92	Telephone rental.....
20.00	Fairbanks scales.....
18.00	Desk fans.....
16.45	Valve and coupling.....
13.20	Slips and slides.....
8.42	Asbestos paper and pipe.....
6.38	Boiler and buckets.....
6.48	Sealing wax.....
6.35	Gummed labels.....
9.60	Flask heater.....
7.64	Platinum wire.....
5.50	Mill and grinders.....
5.00	Repairs.....
5.10	Plate glass.....
5.00	Repairing chairs.....
7.50	Aspinwall church.....
3.50	Asbestos.....
3.50	Catheter and speculum.....
2.00	Stepladder.....
2.65	Beer bottles.....
7.05	Tile and brass.....
3.15	Fountain pen and knives.....
4.00	Mailing cases.....
2.50	Repairing awnings.....
2.18	Glycerin jelly.....
1.50	Envelopes.....
1.25	Razor.....
1.50	Cylinder and mantle.....
1.45	Pliers, knives, and stone.....
1.03	Iron.....
.96	Rubber bands.....
.75	Rubber apron.....
.75	Sharpening knife.....
.50	Milk and sugar.....

^a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation. Per diem.	Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
SCIENTIFIC INVESTIGATIONS—continued.								
Forsberg & Murray.....								\$0.40
R. P. Clarke Co.....								.06
EXPERIMENT STATION, BE- THESDA, MD.								
W. E. Cotton.....	Expert assistant.....	June 1, 1903		\$1,600				
Taylor Trice.....	Assistant messenger.....	July 1, 1898		720				
H. Henderson.....	Laborer.....	Jan. 1, 1904		540				
John Richards.....	do.....	July 1, 1896		499.99				
J. A. Morley.....	do.....	July 1, 1900		500				
Harry B. Myers.....	do.....	Aug. 1, 1902		a \$50.00				
Wm. R. Poore.....	do.....	July 1, 1904		a 60.00				
Richard E. Seek.....	do.....	do.....		a 60.00				
John W. Shipley.....	do.....	July 1, 1901		a 60.00				
C. M. Thomas.....	do.....	Aug. 1, 1902		a 60.00				
Fritz Voigt.....	do.....	July 1, 1904		a 60.00				
Wm. T. Pugh.....	do.....	Jan. 1, 1904		a 45.00				
Do.....	do.....	Jan. 1, 1905		a 50.00				
Geo. M. Staedtler.....	do.....	July 1, 1903		a 50.00				
August Voigt.....	do.....	July 1, 1904		a 50.00				
G. F. Coleman.....	do.....	July 1, 1903		a 40.00				
Do.....	do.....	Jan. 1, 1905		a 45.00				
Frank Matthews.....	do.....	July 1, 1903		a 45.00				
E. V. Caywood.....	do.....	Jan. 1, 1904		a 40.00				
John Fletcher.....	do.....	July 1, 1903		a 40.00				
Chas. Gingell.....	do.....	Jan. 1, 1904		a 35.00				
Do.....	do.....	Sept. 6, 1904		a 40.00				
Wm. J. Kirby.....	do.....	July 1, 1903		a 40.00				
Wm. H. Pyles.....	do.....	Apr. 30, 1905		400.00				
James Samuel.....	do.....	July 1, 1902		480.00				
Allen Holmes.....	do.....	Jan. 1, 1904		a 40.00				
Do.....	do.....	Apr. 6, 1903		a 30.00				
Frank Lancaster.....	do.....	Jan. 1, 1905		a 35.00				
Jacob Leftwich.....	do.....	July 1, 1903		a 35.00				
W. W. Lynch.....	do.....	Jan. 1, 1903		a 35.00				
Do.....	do.....	July 1, 1905		a 40.00				
Unskilled laborer.....	do.....	Apr. 8, 1905		420.00				
				284.83				
				a 35.00				
				a 40.00				

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

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a Per month.

Statement of Disbursements from the Appropriation for General Expenses, Bureau of Animal Industry, for the Fiscal Year Ended June 30, 1905—Continued.

Name.	Designation	Appointed.	Services ended.	Compensation. Per diem.	Disbursements. Miscellaneous items. Per annum.	Salaries.	Traveling.	Miscellaneous.
EXPERIMENT STATION, BE- THESDA, MD.—continued.								
E. C. Schroeder.					Station expenses.....			\$86.76
Mackall Bros.					Alcohol, soda, and beer.....			81.47
W. L. Brook.					Soda, wagon, etc.....			66.85
G. B. Mullin.					Hauling.....			68.00
Chas. H. Johnson.					Chaining roof, etc.....			60.00
Geo. D. Field & Co.					Chloride and bottles.....			55.66
The Okonite Co. (Limited)					Copper wire.....			52.50
National Electric Supply Co.					Electric lights.....			44.84
Francis Miller.					Glass, oil, and brushes.....			38.51
Manhattan Electric Supply Co.					Batteries and wire.....			46.90
Z. D. Gillman.					Thermometers, glycerin, etc.....			31.70
W. T. Burrows.					Pointing brick.....			49.50
The Eureka Rubber Mfg. Co.					Buffalo meat.....			60.00
G. H. Parkes.					Street car fares.....			29.45
Thomas E. Truzzare.					Repairing cartage.....			30.00
Edw. S. Schmidt.					Prepared feed.....			28.00
Lantz & Co.					Hoof pads.....			29.50
L. G. Orndorf.					Lawn mowers and tools.....			26.55
John Mitchell, Jr.					Pipes and ell's.....			24.64
James Elliott & Co.					Towels.....			25.50
Capital Traction Co.					Street car tickets.....			17.50
Whitall Tatum Co.					Beaders and milk boxes.....			11.07
Thomas W. Smith.					Virginia pine.....			10.56
P. H. Heiskell, Jr., & Co.					Seed and hardware.....			21.33
Alex. St. John.					Repairing eagles.....			18.00
Hugh Heilly.					Varnish.....			15.38
J. P. Walker Sons.					Lime and plaster.....			11.50
R. C. Drinn.					Sand.....			12.50
B. Lenovitz.					Cow, for experiment.....			10.00
W. B. Moses & Sons.					Chairs.....			8.70
R. P. Clarke Co.					Hockey pail.....			9.56
P. Main & Co.					Papering ceilings.....			8.25
W. H. Coon.					Repairing wagon.....			8.75
Wm. Locher.					Manhole covers.....			7.10
George Meir Co.					C. A. Schneiders' Sons.			7.00

W. Kraft.	Glasses and slides.	3.20
The Nungesser Electric Battery Co.	Batteries.	5.00
Julius Lansburgh	2 stools.	4.60
Bausch & Lomb Optical Co.	Pipe and tacs.	3.45
Ernest Betz	Test tubes.	4.50
M. G. Copeland Co.	United States flag.	4.00
F. W. Bolgerano & Co	Seeds.	2.90
Louis Harbig	Skinning knives.	2.00
J. T. Walker Sons	Plaster.	2.00
Jos. F. Thompson	Repairing wheel.	1.20
E. Morrison Paper Co.	Tag cards.	.30
		\$18,085.32
		23,198.70
DAIRY DIVISION.		
Edw. H. Webster	Dairy inspector.	77.78
Do	Chief of dairy division.	\$305.36
C. E. Gray	Expert in dairying.	121.53
M. W. Lang	Dairy inspector.	1,833.34
Do	do	1,497.41
Wm. D. Collyer	May 1, 1905	2.40
B. F. Van Valkenburgh	Mar. 1, 1903	
Levi Wells	Apr. 30, 1905	
Geo. M. Whitaker	do	
Robt. McAdam	do	
C. F. Doane	do	
Do	Special dairy agent.	
B. H. Rawl.	Expert in dairying.	
L. A. Rogers	Dairy expert.	
Do	Expert in dairy bacteriology.	
Duncan Stuart	Assistant in dairy division.	
Wm. Levy	Jan. 1, 1903	
Charles Thom	Mar. 1, 1904	
Do	do	
A. W. Bosworth	Feb. 1, 1904	
Do	do	
Theo. Issajeff	Feb. 1, 1905	
Orin Douglass	Oct. 24, 1904	
W. D. McArthur	Aug. 1, 1904	
E. A. McDonald	Nov. 1, 1903	
James Hewes	Mar. 1, 1903	
Wm. E. Smith	Mar. 16, 1903	
Edw. B. Henry	do	
Cora M. Ridley	do	
Do	do	
Wm. R. Atkins	Sept. 1, 1904	
John T. Phillips	July 25, 1904	
Rudolph Washington	July 28, 1904	
Henry E. Ayvord	Aug. 10, 1904	
		\$18,085.32
		23,198.70
<i>a</i> Per month.		

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name,	Designation,	Appointed.	Compensation.				Disbursements.			Traveling.	Miscella-neous.
			Services ended.	Per diem.	Per annum.	Miscellaneous items.	Salaries.				
DAIRY DIVISION—continued.											
C. B. Lane.....						Miscellaneous expenses.				\$84.74	\$17.82
G. E. Patrick.....						Traveling expenses.				5.10	.....
The Pennsylvania R. R. Co.....						Transportation, Webster, et al.				167.82	.....
The Baltimore and Ohio R. R. Co.						do.				72.84	.....
Southern Rwy. Co.....						do.				94.95	.....
New York Central and Hudson River R. R. Co.						do.				33.36	.....
Union Pacific R. R. Co.....						do.				25.05	.....
The Pullman Co.....						Transportation, Webster and Lane.				11.25	.....
Chicago and Northwestern Rwy. Co.						Transportation, Webster, Loggers, et al.				77.84	.....
Chicago, Milwaukee and St. Paul Rwy. Co.						Transportation, Webster and Rogers.				15.46	.....
Louisville and Nashville R. R. Co.						Transportation, Doane and Rawl.				21.58	.....
Central of Georgia Rwy. Co.						Transportation, Doane.				9.02	.....
The Pittsburgh, Cincinnati, Chicago and St. Louis Rwy. Co.						do.				21.10	.....
Lehigh Valley R. R. Co.						do.				15.25	.....
Seaboard Air Line Rwy.						do.				14.20	.....
Atlantic Coast Line R. R.						do.				10.10	.....
Alabama Great Southern R. R. Co.						do.				7.80	.....
New Orleans and Northeastern R. R. Co.						do.				6.60	.....
Michigan Central R. R. Co.						Transportation, Webster				20.00	.....
Chicago and Great Western Rwy. Co.						do.				13.40	.....
The Cleveland, Cincinnati, Chicago and St. Louis Rwy.						do.				20.25	.....
The Lake Shore and Michigan Southern Rwy.						do.				20.00	.....
Georgetown and Western R. R.						do.				15.50	.....

Chicago and Alton Rwy. Co.	7.50
The Atchison, Topeka and Santa Fe Rwy. Co.	27.99
The Wabash R. R. Co.	14.25
Chicago, Rock Island and Pacific Rwy. Co.	12.50
Pere Marquette R. R. Co.	8.70
New York, New Haven and Hartford R. R. Co.	10.80
Chicago, Burlington and Quincy Rwy. Co.	5.16
Norfolk and Western Rwy. Co.	5.80
The Delaware, Lackawanna and Western R. R.	8.70
Northern Pacific Rwy. Co.	9.52
(Green Bay and Western R. R.)	13.45
The Southern Pacific Rwy. Co.	31.95
Georgia Southern and Florida Rwy. Co.	6.36
International and Great Northern R. R. Co.	8.25
Houston, East and West Texas Rwy.	6.95
Galveston, Harrisburg and San Antonio Rwy.	6.30
Illinois Central R. R. Co.	do
Atlanta and West Point R. R.	3.90
Yazoo and Mississippi Valley R. R.	3.48
L. A. Clinton	6.45
W. S. Goodhue	26.38
The Chicago Insulated Wire Co.	50.00
John S. Martin & Co	206.67
Plymouth Refrigerating Water, Light and Power Co.	15.00
A. Booth & Co.	164.65
W. B. Moses & Sons	117.04
H. A. Chaplin	64.80
Simpson, McIntire & Co	60.40
U. S. Envelope Co.	95.75
W. Silas Sheetz	45.00
Doten-Dunton Desk Co.	44.40
Remington Typewriter Co.	38.00
National Electric Supply Co.	35.50
Yawman & Erbe Mfg. Co.	32.85
Thos. Somerville & Sons	28.85
Potomac Electric Power Co.	
Transportation, Lang.	
Transportation, Lane	
do	
do	
do	
do	
Transportation, Patrick	
Transportation, Lang.	
Transportation, Rogers	
Transportation, McArthur	
Transportation, Webster	
Transportation, Rawl.	
do	
do	
Transportation, Doane	
Rent	
Traveling expenses.	
Rents in Chicago	
do	
Rents in New York	
Rent	
Rent, refrigerating rooms	
Mattress, linoleum, etc.	
Cheese	
Butter	
Envelopes	
Camera and lens	
Desk	
Desk, chair, and repairs	
Desk fans	
Cards and cases	
Boiler, grates and valves	
Electric current	

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.			Disbursements.			Miscella-neous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	Travel-ing.		
DAIRY DIVISION—continued.										
Church & Stephenson						Lumber.....			\$20.00	
Sheppard, Knapp & Co.						Linoleum.....			17.25	
A. L. Moore						Photographic material.....			16.54	
E. J. Pullman						Lantern slides.....			15.40	
Albert Kahlert & Co.						Correcting manuscript.....			9.60	
The J. C. McCubbin Co.						Lavatory, trap and pipe.....			9.35	
M. Du Perow						250-foot loom.....			7.50	
K. Kneessi's Sons						Leather portfolio.....			6.00	
Francis Miller						Window glass.....			5.56	
D. F. Groff						Gilt molding.....			3.60	
Washington Gas Light Co.						Gas.....			2.00	
Dunlin & Martin Co.						Ash can.....			3.00	
Kraus' Bacteriologicals Laboratory.						Oidium lactis.....			1.75	
Rudolph, West & Co.						Keys.....			1.80	
Barber & Ross						Key blanks.....			*	
Louis Hartig						Ear iron.....			1.10	
I. P. Roosa						Freight.....			1.05	
E. Morrison Paper Co.						Fasteners.....			.70	
The Chesapeake and Potomac Telephone Co.						Two calls to Baltimore.....			.45	
 ANIMAL HUSBANDRY.										
Geo. M. Rommel	Expert in animal husbandry.		July 1, 1904			\$1,400			1,450.00	296.92
Do.	Animal husbandman		Jan. 7, 1905			1,600				2.50
Do.	do.		Apr. 1, 1905			1,000				
Chas. H. Cross	Clerk		July 20, 1904			1,200			958.37	.....
Do.	Assistant animal husbandman.		Apr. 16, 1905			840			357.50	1.98
G. Arthur Bell	do.		Feb. 1, 1905							.....
E. G. Ritzman	Scientific aid		May 16, 1905			900				
Do.	Assistant animal husbandman.		Oct. 14, 1903			480				
W. J. Rutherford	Expert in animal husbandry.	May 1, 1904	June 30, 1905	a \$100.00		840			280.00
									1,050.00

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

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Emma V. Rapp.....	Oct. 1, 1903	a 60.00	360.00
L. R. Davies.....	May 17, 1903	a 40.00	60.00
P. M. Brooke.....	June 6, 1903	2.50	22.81
M. Chrysam.....	do	2.50	25.31
The Baltimore and Ohio R. R. Co.			168.45
The Pennsylvania R. R. Co.			74.73
Chicago and North Western Rwy. Co.			27.30
The Chicago and Alton Rwy. Co.			9.50
C. F. Curtiss			27.10
John Shipley.....			10.51
Jas. A. Cratty.....			1.65
Church & Stephenson.....			219.52
T. M. Dinsmore & Co.			134.26
The Smith Premier Typewriter Co.			101.50
W. B. Moses & Sons.....			108.31
Doten-Dunton Desk Co			45.00
Michl. Dunbar.....			45.00
Woodward & Lothrop.....			38.76
F. P. May & Co.			26.25
Cyclone Woven Wire Fence Co			26.25
Rudolph, West & Co.			100 rods fencing
Yawman & Erbe Mfg. Co.			100 rods fencing
Spencer Patterson.....			100 rods fencing
Swift & Co.			100 rods fencing
National Electrical Supply Co			100 rods fencing
Wm. A. Dixon.....			100 rods fencing
A. Buel's Sons' Co.			100 rods fencing
I. P. Roosa.....			100 rods fencing
Remington Typewriter Co.			100 rods fencing
R. J. O'Brien & Bros. Co.			100 rods fencing
Geo. F. Muth & Co.			100 rods fencing
E. J. Pullman.....			100 rods fencing
Southern Printers' Supply Co			100 rods fencing
Francis Miller.....			100 rods fencing
Library Bureau.....			100 rods fencing
M. Du Perow.....			100 rods fencing
N. C. Cotton Oil Co.			100 rods fencing
D. F. Groff.....			100 rods fencing
Underwood Typewriter Co			100 rods fencing
Barber & Ross.....			100 rods fencing
The Chesapeake and Potomac Telephone Co.			100 rods fencing
			4,563.99
			622.54
			957.50

^a Per month,

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

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CONTAGIOUS DISEASES OF HORSES.					
James Read...	do				24.00
L. E. Holloway...	do				24.00
George Hatt...	do				14.00
E. T. Davison...	Inspector	July 1, 1904	1,600	1,600.00	657.35
L. Enos Day...	do	Apr. 1, 1903	1,500	875.00	528.98
Warren J. Fretz...	do	June 1, 1903	1,400	1,064.67	238.61
E. J. Drake...	Laborer	July 22, 1902	2.50	135.00	67.05
John Kneebone...	do	Mar. 9, 1903	2.50	692.50	159.65
R. C. Mussen...					
Chicago, Rock Island and Pacific Rwy. Co.	Traveling expenses				50.15
Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation, Davison				38.60
Chicago and North Western Rwy. Co.	do				29.45
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do				20.26
Chicago, Burlington and Quincy Rwy. Co.	do				11.04
Chicago, Milwaukee and St. Paul Rwy. Co.	do				7.40
Frank Baggage					5.19
James Wilde...	Hire, saddle horse, and carriage trading stallions.				92.50
E. G. Ward...	do				60.00
Joseph Poirier...	do				60.00
John Russell...	do				52.50
Edgar Fire Thunder...	do				50.00
Oliver Lyon...	do				42.50
J. J. M. Brown...	do				15.00
Wm. Beatty...	do				125.00
Benji Nickey...	Mare				85.00
W. A. Meidell...	do				80.00
W. L. Beswick...	do				50.00
D. A. Wilson...	do				50.00
Tom Wilson...	do				40.00
John O. Gilchrist...	do				35.00
James Ryan...	do				30.00
George P. Conner...	do				30.00
John F. Lowe...	do				30.00
Carl Cass...	do				30.00
Mary E. Hoofman...	do				30.00
J. R. Gilchrist...	do				25.00
James Smalley...	do				25.00
M. V. Byers...	do				25.00
Ralph O. Stoops...	do				25.00
A. C. Forney...	do				15.00

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

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W. E. Hill.....	do.....	Jan. 1, 1894	1,083.34
Wm. D. Jorden.....	do.....	1,200	695.00
D. McCunningham.....	do.....	1,200	200.00
Geo. C. Moser.....	do.....	1,200	336.45
B. L. Stine.....	do.....	1,200	1,200.00
A. G. G. Richardson.....	Specal live stock agent.....	July 1, 1900	1,200.00
Inspector.....	do.....	1,800	11.70
Agent and expert.....	Dec. 1, 1903	1,800	170.38
Geo. S. Hickox.....	Inspector.....	July 1, 1903	666.67
Lowell Clarke.....	do.....	1,600	387.14
A. A. Holcombe.....	do.....	1,600	666.67
John McMurtry.....	do.....	1,600	211.53
Louis Metzker.....	do.....	1,600	933.34
A. J. Payne.....	do.....	1,600	470.85
Thos. J. Turner.....	do.....	1,600	20.40
Chas. H. Zink.....	do.....	1,500	239.65
Robt. A. Ramsay.....	do.....	1,600	666.67
Do.....	do.....	1,600	64.75
H. B. Adair.....	do.....	1,500	41.74
Leslie J. Allen.....	do.....	1,500	1,199.99
Harry M. Ball.....	do.....	1,600	333.33
W. C. Barth.....	do.....	1,600	355.22
Levi P. Beechy.....	do.....	1,600	551.12
R. J. Blanche.....	do.....	1,500	50.80
Geo. A. Bond.....	do.....	1,600	85.44
Thos. A. Bray.....	do.....	1,500	1,458.34
Chas. H. Davies.....	do.....	1,500	625.00
Roy N. Drake.....	do.....	1,500	1,500.00
F. C. Fells.....	do.....	1,500	517.15
W. P. Ellenderger.....	do.....	1,500	375.00
J. G. Fish.....	do.....	1,500	120.25
Wm. R. Fleming.....	do.....	1,500	766.96
D. C. Hanawalt.....	do.....	1,500	339.25
F. W. Hawkins.....	do.....	1,500	1,241.67
Walter E. Howe.....	do.....	1,500	625.00
E. N. Huichinson.....	do.....	1,500	140.05
J. Otis Jacobs.....	do.....	1,500	648.35
Peter L. Korsman.....	do.....	1,500	1,375.00
John A. Kienan.....	do.....	1,500	1,500.00
Louis A. Klein.....	do.....	1,500	378.14
John V. Laddey.....	do.....	1,500	192.95
M. S. Lantz.....	do.....	1,500	625.00
Joseph W. Parker.....	do.....	1,500	126.75
A. J. Pistor.....	do.....	1,500	275.15
Hugh M. Rowe.....	do.....	1,500	1,301.88
W. A. Savage.....	do.....	1,500	561.00
Nathl. B. Smith.....	do.....	1,500	625.00
Geo. F. Totten.....	do.....	1,500	163.60
A. H. Wallace.....	do.....	1,500	120.75
Alex. E. Wright.....	do.....	1,500	1,375.00
H. M. Bailehelder.....	do.....	1,500	709.31
Do.....	do.....	1,500	43.00
Mar. 16, 1903	do.....	1,500	3.60
May 15, 1903	do.....	1,500	795.83
Jan. 1, 1904	do.....	1,500	212.27
Apr. 1, 1904	do.....	1,500	131.20
Jan. 1, 1904	do.....	1,500	625.00
do.....	do.....	1,250	263.10
do.....	do.....	1,500	35.05
Mar. 16, 1903	do.....	1,500	196.35
July 1, 1904	do.....	1,500	625.00
Jan. 1, 1904	do.....	1,500	227.20
Apr. 1, 1904	do.....	1,500	625.00
do.....	do.....	1,500	121.75
Mar. 1, 1902	do.....	1,400	1,466.67
Sept. 1, 1902	do.....	1,500	104.40
Do.....	do.....	1,320	557.00
Do.....	do.....	1,397.78	493.00

^aPer month.^bPer hour.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.			Salaries.	Traveling.	Miscellane- ous means.
				Per diem.	Per annum.	Miscellaneous items.			
CONTAGIOUS DISEASES INSPECTION—continued.									
C. A. Clawson.	Inspector.	Feb. 1, 1903		\$1,400			\$1,416.66		\$378.84
S. E. Cosford.	do	May 1, 1905		1,500					
Do.	do	do		1,400			1,375.00		506.15
R. J. Foreman.	do	Aug. 1, 1901		1,500					
Do.	do	Feb. 15, 1903		1,400			600.00		132.10
H. J. Hammond.	do	May 1, 1905		1,500					
Do.	do	Sept. 1, 1902		1,400			625.00		144.44
Jno. J. Hayes.	do	Sept. 1, 1901		1,500					
Do.	do	July 12, 1902		1,400			625.00		392.50
A. N. Irwin.	do	Aug. 1, 1904		1,500					
Do.	do	Oct. 1, 1903		1,400			1,462.77		538.35
Raymond Johnson.	do	Nov. 15, 1901		1,500					
Do.	do	Aug. 1, 1902		1,400			1,125.00		279.36
Ira G. Lawton.	do	Oct. 1, 1901		1,500					
Do.	do	Mar. 1, 1903		1,400			1,125.28		470.43
W. B. Lincoln.	do	Apr. 16, 1905		1,500					
Do.	do	May 1, 1901		1,400			600.00		216.93
L. W. O'Rourke.	do	Oct. 1, 1901		1,500					
Do.	do	Sept. 1, 1902		1,400			625.00		181.45
N. L. Townsend.	do	Sept. 1, 1901		1,500					
Do.	do	Aug. 16, 1901		1,400			625.00		79.50
Robt. H. Treacy.	do	Sept. 16, 1901		1,500					
Do.	do	Aug. 1, 1901		1,400			1,375.00		687.45
Thomas White.	do	Sept. 1, 1902		1,400					
Do.	do	Sept. 1, 1901		1,500			625.00		199.50
W. W. Worcester.	do	Sept. 1, 1902		1,400					
Do.	do	Sept. 1, 1901		1,500			625.00		171.00
H. C. Babcock.	do	Sept. 1, 1903		1,400					
Nelson V. Boyce.	do	June 1, 1903		1,400			1,166.67		12.80
F. W. Brewer.	do	Oct. 1, 1903		1,400			1,127.78		458.10
Jno. L. Burgess.	do	Feb. 1, 1904		1,400			1,400.00		173.61
Emerson J. Cary.	do	June 1, 1903		1,400			1,240.56		572.22
H. H. Colenour.	do	June 1, 1901		1,400			917.78		380.85
H. H. Collins.	do	Sept. 1, 1903		1,400			1,288.34		27.70
W. E. Dwyer.	do	Apr. 1, 1904		1,400			238.34		77.00
Clas. W. Denning.	do	May 16, 1904		1,400			583.34		77.00
W. L. Dillingham.	do	June 15, 1903		1,400			612.63		129.75

A. Eichhorn.....	do	1,400	1,206,56
W. J. Fretz.....	do	1,400	233,33
H. J. Hancock.....	do	1,400	36,50
Arthur C. Hart.....	do	1,400	123,75
H. H. Hicks.....	do	1,400	233,34
Marion Innes.....	do	1,400	89,75
W. L. Johnson.....	do	1,400	356,00
Wm. F. Jones.....	do	1,400	933,35
C. A. McCall.....	do	1,400	469,10
H. R. McNally.....	do	1,400	583,34
W. M. Mackellar.....	do	1,400	575,56
A. W. Miller.....	do	1,400	1,400,00
F. E. Murray.....	do	1,400	246,72
L. A. Nutting.....	do	1,400	1,266,72
Theo. S. Rich.....	do	1,400	583,34
J. M. Simpson.....	do	1,400	272,45
John A. Sloan.....	do	1,400	1,400,00
A. M. Blackwell.....	do	1,400	175,75
Do.....	do	1,400	1,187,77
W. F. Crewe.....	do	1,200	601,73
R. F. Egge.....	do	1,400	1,233,34
W. H. Hurst.....	do	1,200	501,02
Fred Evans.....	do	1,400	931,11
Do.....	do	1,400	380,20
Wm. L. Hauff.....	do	1,200	.....
M. A. Sampson.....	do	1,400	.....
Chas. Pearson.....	do	1,200	.....
X. I. Richmond.....	do	1,400	.....
Do.....	do	1,200	.....
M. A. Sampson.....	do	1,400	1,216,67
Edgar N. Stout.....	do	1,200	156,67
Laomer West.....	do	1,400	.....
George Jerome.....	do	1,400	141,37
Do.....	do	1,400	.....
H. A. Aleorn.....	do	1,200	1,050,00
Ed. R. Allen.....	do	1,200	323,50
J. Angliker.....	do	1,200	.....
C. R. Bedler.....	do	1,200	1,116,67
S. L. Blount.....	do	1,200	482,90
J. B. Boazman.....	do	1,200	.....
J. C. Bowman.....	do	1,200	.....
Wm. J. Bracken.....	do	1,200	1,316,67
S. D. Brimhall.....	do	1,200	154,40
Wm. J. Butler.....	do	1,200	3,333,34
J. B. Campbell.....	do	1,200	126,20
Do.....	do	1,400	583,33
Assistant inspector.....	do	1,400	147,46
Assistant inspector.....	do	1,200	300,00
Assistant inspector.....	do	1,200	273,95
Assistant inspector.....	do	1,200	110,00
Assistant inspector.....	do	1,200	1,160,00
Assistant inspector.....	do	1,200	498,33
Assistant inspector.....	do	1,200	536,67
Assistant inspector.....	do	1,200	100,00
Assistant inspector.....	do	1,200	28,75
Assistant inspector.....	do	1,200	1,100,00
Assistant inspector.....	do	1,200	149,50
Assistant inspector.....	do	1,200	980,00
Assistant inspector.....	do	1,200	319,75
Assistant inspector.....	do	1,200	1,100,00
Assistant inspector.....	do	1,200	528,80
Assistant inspector.....	do	1,200	1,023,33
Assistant inspector.....	do	1,200	800,00
Assistant inspector.....	do	1,200	838,14
Assistant inspector.....	do	1,200	400,00
Do.....	do	1,200	27,55

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.			Disbursements.		Traveling.	Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.			
CONTAGIOUS DISEASES INSPECTION—continued.										
A. T. Coleman	Assistant inspector	June 15, 1903	.....	.....	\$1,200	.....	.....	.....	.....	\$103.30
W. M. Cunningham	do	Apr. 25, 1904	.....	.....	1,200	.....	.....	.....	.....	200.00
B. C. Davis	do	June 6, 1904	.....	.....	1,200	.....	.....	.....	.....	735.50
J. W. Dunham	do	Aug. 24, 1904	Feb. 23, 1905	.....	1,200	.....	.....	.....	.....	100.00
John Q. Fagge	do	Mar. 26, 1904	.....	.....	1,200	.....	.....	.....	.....	316.65
Thomas J. Fagge	do	May 1, 1903	.....	.....	1,200	.....	.....	.....	.....	65.75
Wm. A. Fry	do	July 1, 1904	.....	.....	1,200	.....	.....	.....	.....	1,063.33
John J. Gallagher	do	..... do	..... do	.....	1,200	.....	.....	.....	.....	520.35
Frank J. Glynn	do	Apr. 22, 1903	.....	.....	1,200	.....	.....	.....	.....	1,136.67
Ralph Graham	do	July 7, 1904	.....	.....	1,200	.....	.....	.....	.....	300.00
Robert B. Grimes	do	May 1, 1905	.....	.....	1,200	.....	.....	.....	.....	139.35
Wm. Hamilton	do	July 12, 1904	.....	.....	1,200	.....	.....	.....	.....	100.00
Timothy C. Hayes	do	July 17, 1903	.....	.....	1,200	.....	.....	.....	.....	461.66
C. C. Heacock	do	June 17, 1903	.....	.....	1,200	.....	.....	.....	.....	200.00
L. C. Henderson	do	Dec. 16, 1903	.....	.....	1,200	.....	.....	.....	.....	241.20
J. J. J. Heldring	do	Apr. 1, 1904	.....	.....	1,200	.....	.....	.....	.....	200.00
Thomas H. Hicks	do	Dec. 7, 1903	.....	.....	1,200	.....	.....	.....	.....	116.65
H. J. Hoynan	do	Sept. 1, 1904	Dec. 31, 1904	.....	1,200	.....	.....	.....	.....	560.00
F. E. Johnson	do	May 10, 1904	.....	.....	1,200	.....	.....	.....	.....	113.40
Levi K. Johnson	do	May 27, 1904	.....	.....	1,200	.....	.....	.....	.....	233.00
C. A. Johnston	do	Apr. 27, 1904	.....	.....	1,200	.....	.....	.....	.....	573.33
F. L. Kampschmidt	do	May 1, 1905	.....	.....	1,200	.....	.....	.....	.....	89.75
John Keppel	do	Aug. 4, 1903	.....	.....	1,200	.....	.....	.....	.....	400.00
John Morgan B. Lamb	do	Sep. 17, 1902	.....	.....	1,200	.....	.....	.....	.....	280.35
L. A. Lickling	do	Mar. 10, 1905	.....	.....	1,200	.....	.....	.....	.....	101.00
Wm. H. Lytle	do	Aug. 13, 1904	.....	.....	1,200	.....	.....	.....	.....	223.33
W. B. McAllister	do	Aug. 14, 1904	.....	.....	1,200	.....	.....	.....	.....	561.15
S. W. McClure	do	Jan. 22, 1904	.....	.....	1,200	.....	.....	.....	.....	390.55
C. E. Mantlin	do	Aug. 4, 1903	.....	.....	1,200	.....	.....	.....	.....	19.40
R. M. Mullings	do	Sept. 10, 1904	.....	.....	1,200	.....	.....	.....	.....	900.00
E. M. Nighborn	do	June 25, 1902	.....	.....	1,200	.....	.....	.....	.....	581.32
O. W. Noyes	do	July 1, 1904	.....	.....	1,200	.....	.....	.....	.....	384.13
J. P. O'Connor	do	Aug. 18, 1902	.....	.....	1,200	.....	.....	.....	.....	131.40
Frank D. Owen	do	Sept. 7, 1904	.....	.....	1,200	.....	.....	.....	.....	156.67
Frank Parker	do	Jan. 23, 1903	.....	.....	1,200	.....	.....	.....	.....	525.97
Robt. M. Raban	do	July 1, 1904	.....	.....	1,200	.....	.....	.....	.....	10.00
Jesse Roberts	do	Sept. 1, 1904	1,200	1,200
E. S. Roberts	do	Mar. 1, 1905	1,200	400.00
		Sept. 1, 1904	1,200	250.00

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W. Schumacher.....	do.....	May 1, 1903	600.00
Wm. A. Skinner.....	do.....	July 1, 1904	1,200
S. Somerville, Jr.....	do.....	July 1, 1904	1,200
J. A. Stauffer	do.....	Feb. 1, 1904	1,200
M. R. Steffens	do.....	Nov. 7, 1902	1,200
John D. Thrower.....	do.....	Apr. 1, 1905	1,200
Z. Veldhuis.....	do.....	Mar. 1, 1905	1,200
Wm. L. West.....	do.....	July 25, 1904	1,200
F. W. Weston.....	do.....	Aug. 5, 1903	1,200
Wm. W. Yard.....	do.....	Sept. 22, 1904	1,200
C. J. Young.....	do.....	May 5, 1904	1,200
W. A. Young.....	do.....	Nov. 26, 1904	1,200
A. L. Bailey.....	Field stock examiner.....	Apr. 1, 1904	1,000
Do.....	Assistant inspector.....	July 15, 1904	1,200
L. S. Campbell.....	Field stock examiner.....	April 1, 1904	1,000
Do.....	Assistant inspector.....	July 15, 1904	1,200
Colin Campbell.....	Special field stock examiner.....	Dec. 1, 1904	1,000
Norman R. Adams.....	Field stock examiner.....	May 1, 1904	1,000
H. E. Armstrong.....	do.....	Mar. 1, 1904	1,000
A. H. Bibb.....	do.....	Aug. 1, 1904	1,000
Chas. A. Brown.....	do.....	July 1, 1903	1,000
F. C. Cooley.....	do.....	July 23, 1904	1,000
Wm. R. Dennis.....	do.....	July 1, 1903	1,000
S. D. Gillett.....	do.....	Nov. 1, 1903	1,000
M. T. Hascell.....	do.....	July 16, 1903	1,000
David R. Hodges.....	do.....	July 1, 1903	1,000
R. E. L. Jackson.....	do.....	Apr. 1, 1904	1,000
Thos. J. Lowry.....	do.....	June 15, 1903	1,000
Jno. C. Massie.....	do.....	Feb. 1, 1904	1,000
Jay Merrill.....	do.....	June 15, 1903	1,000
F. O. Petty.....	do.....	July 1, 1903	1,000
Wm. F. Flaeging.....	do.....	do.....	1,000
Wm. Proudfoot.....	do.....	Dec. 1, 1903	1,000
Thos. Redmond.....	do.....	July 1, 1903	1,000
Issiah Richards.....	do.....	do.....	1,000
F. W. Schatzell.....	do.....	May 16, 1904	1,000
Edw. O. Speake.....	do.....	Apr. 8, 1905	1,000
W. L. Upton.....	do.....	do.....	1,000
Edw. A. Bundy.....	Stock examiner.....	Feb. 1, 1904	1,000
Do.....	Field stock examiner.....	Feb. 1, 1904	1,000
John L. Burgess.....	Stock examiner.....	Apr. 16, 1905	1,000
Do.....	Field stock examiner.....	Feb. 15, 1903	900
H. L. McDonald.....	Stock examiner.....	Sept. 1, 1904	1,000
Do.....	Field stock examiner.....	May 1, 1904	900
John C. Oren.....	Stock examiner.....	Sept. 16, 1904	1,000
Do.....	Field stock examiner.....	June 1, 1903	900
W. S. Pidcock.....	do.....	Aug. 16, 1904	1,000
Do.....	Stock examiner.....	May 1, 1904	1,000
Thos. B. Rea.....	do.....	Dec. 1, 1904	900
Do.....	Field stock examiner.....	Apr. 1, 1903	900
Chas. F. Roik.....	Stock examiner.....	Sept. 16, 1904	1,000
Do.....	Field stock examiner.....	June 1, 1904	1,000

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
				Per diem.	Per annum.				
CONTAGIOUS DISEASES INSPECTION—continued.									
L. E. Sargent.....	Stock examiner.	Feb. 15, 1903		\$800			\$833.34	\$671.18	.....
Do.....	Field stock examiner.	Sept. 1, 1904		1,000			916.67	393.67	.....
C. K. Schäfer.....	Stock examiner.	Apr. 26, 1904		900					.....
Do.....	Field stock examiner.	Aug. 1, 1904		1,000					.....
Geo. D. Warner.....	Stock examiner.	July 1, 1898		900			383.33	35.50	.....
Do.....	Field stock examiner.	Jan. 1, 1905		1,000					.....
James Irwin.....	Stock examiner.	June 15, 1897		1,000			1,000.00	.....	.....
A. G. Bibb.....	do.....	Mar. 1, 1896		900			75.00		.....
C. E. Blackmar.....	do.....	Feb. 1, 1898		900			225.00		.....
Geo. E. Butin.....	do.....	May 16, 1904		900			27.50	8.49	.....
T. B. Craerolt.....	do.....	May 1, 1903		900					.....
A. L. Faunce.....	do.....	Mar. 16, 1901		900			150.00		.....
Wm. C. Honan.....	do.....	May 1, 1897		900			675.00	85.75	100.34
R. G. Morrill.....	do.....	Mar. 1, 1903		900			375.00	61.30	.....
Geo. H. Robinson.....	do.....	Apr. 15, 1903		900			375.00	381.41	.....
Jno. F. Schermaann.....	do.....	Apr. 1, 1897		900			900.00		.....
Henry Singletion.....	do.....	Jan. 1, 1905		900			300.00		.....
S. I. Valentine.....	do.....	May 1, 1904		900			675.00	502.45	.....
A. E. Wagner.....	do.....	May 1, 1894		900			825.00		.....
Henry C. Williams.....	do.....	Feb. 1, 1901		900					.....
Wm. Yenner.....	do.....	do.....		900			825.50	122.05	.....
Edw. O. Speako.....	Clerk.	Nov. 1, 1903		900			375.00		.....
Geo. M. Bettis.....	do.....	Jan. 1, 1903		840			350.00	7.67	.....
Leon Durham.....	Tagger.	May 7, 1902		720					.....
Do.....	Stock examiner.	Apr. 1, 1905		900			225.00	96.15	.....
Jas. M. Lawson.....	Tagger.	Dec. 26, 1901		720					.....
Do.....	do.....	Nov. 22, 1904		840					.....
E. R. O'Neil.....	Stock examiner.	Apr. 16, 1905		900			609.16	585.33	.....
Do.....	Tagger.	Adr. 1, 1903		720					.....
Do.....	do.....	Nov. 22, 1904		840					.....
Chas. H. Robinson.....	Stock examiner.	Apr. 16, 1905		900			625.50	631.12	.....
Do.....	Tagger.	Oct. 1, 1902		720					.....
Elias Gilmore.....	Stock examiner.	do.....		840			565.50	415.68	.....
Wm. E. Burrows.....	Tagger.	Apr. 1, 1904		900			350.00	12.50	.....
Do.....	do.....	Mar. 23, 1903		840			720	229.40	.....
		Nov. 22, 1904		840					.....

F. C. Damney	do		613.00	703.95
Do	do		840	
Jas. C. Exline	do		720	
Do	do		840	
L. W. Morrissey	do		720	
Do	do		840	
Jean I. Nelson	do		720	
Do	do		840	
R. R. Newman	do		720	
Do	do		840	
Claude E. Vierry	do		720	
Do	do		840	
E. T. Allingham	do		720	
Henry Burge	do		720	
Chas. M. Coulter	do		720	
G. T. Creek	do		720	
Elmer E. Evans	do		720	
John H. Fols	do		720	
Wm. Froyd	do		720	
C. F. Harrington	do		720	
C. M. Herbert	do		720	
Wm. H. Hyde	do		720	
Jere C. Leyser	do		720	
Roy C. Livers	do		720	
F. C. O'Rourke	do		720	
John L. Osborn	do		720	
H. R. Schuyler	do		720	
Wm. H. Skinner	do		720	
E. S. Spindler	do		720	
E. H. Telejohn	do		720	
S. J. Walkley	do		720	
F. R. Washburn	do		720	
Dick E. Warner	do		720	
John H. Webster	do		720	
Isaac H. Wright	do		720	
A. L. Simons	do		1,000	
Geo. H. Glover	do		1,000	
W. M. Blalock	do		1,000	
J. P. Brewer	do		1,000	
C. E. Carroll	do		1,000	
J. E. McCouil	do		1,000	
Q. M. Rowley	do		1,000	
Jas. P. Stedman	do		1,000	
Wm. Stevenson	do		1,000	
F. B. Zahn	do		1,000	
A. D. Melvin	do		1,000	
Geo. A. Hanvey, Jr.	do		1,000	
S. J. Peterson	do		1,000	
F. D. Ketcham	do		1,000	
	Traveling expenses		56.21	

^a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscella-neous items.	Salaries.	Travel-ing.	Miscella-neous.
				Per diem.	Per annum.				
CONTAGIOUS DISEASES INSP- TIONS—continued.									
C.H. Bugbee.						Traveling expenses			
Geo. T. Irons.						do			\$12.75
O.E. Dyson.						do			25.00
C.H. Canfield.						do			23.65
O.G. Atherton.						do			12.85
L. Enos Day.						do			49.02
W.A. Smith.						do			40.45
S.H. Caldwell.						do			14.27
J.W. Sarsfield.						do			24.50
John P. O'Leary.						do			25.35
E.M. Smith.						do			21.17
Joseph M. Good.						do			11.00
W.H. Meadors.						do			13.65
T.A. Shipley.						do			4.85
B.P. Wende.						do			11.38
C.A. Schaufler.						do			3.20
Chicago, Rock Island and Pacific Rwy. Co.						Transportation, Melvin, Mil- ler, et al.			21.18
Do. Burlington and Quincy Rwy. Co.						Freight on crude oil			94.80
Southern Rwy. Co.						Transportation, Keppele, O'Connor, et al.			\$387.11
Chicago and North-Western Rwy. Co.						Transportation, Richardson, Durham, et al.			425.77
Chicago, Milwaukee and St. Paul Rwy. Co.						Transportation, Fish, West, Jay, et al.			217.16
Union Pacific R. R. Co.						Transportation, Burgess, Herbert, et al.			206.99
The Atchison, Topeka and Santa Fe Rwy.						Transportation, Ramsay, Hart, et al.			150.14
Northern Pacific Rwy. Co.						Transportation, Stout, Young, et al.			259.25
The Missouri Pacific Rwy. Co.						Transportation, Treacy, Nel- son, et al.			210.35
Denver and Rio Grande R. R.						Transportation, Gallagher, Weston, et al.			200.70
						Transportation, Brown,			100.31
						Rock, et al.			171.95

Oregon Short Line R. R. Co.	Transportation, Melvin, Rorke, et al.	114.00
Illinois Central R. R. Co.	Transportation, Richardson, Ellenberger, et al.	30.15
Cincinnati, New Orleans and Texas Pacific Rwy. Co.	do Transportation, Richardson and Bozzanini.	22.20
Louisville and Nashville R. R. Co.	do Transportation, W. E. Hill.	28.10
The Chesapeake and Ohio Rwy. Co.	do Transportation, Richardson.	13.80
Southern Pacific Co.	do Transportation, W. E. Hill.	38.40
New Orleans and North-Eastern R. R. Co.	do Transportation, Richardson.	18.10
Evansville and Terre Haute R. R. Co.	do Transportation, Ellenger.	7.25
Atlanta, Knoxville and Northern Rwy. Co.	do Transportation, Hopkins.	11.55
Central of Georgia Rwy. Co.	do Transportation, Helding.	11.55
The Wabash R. R. Co.	do Transportation, A. D. Melvin.	18.48
Wisconsin Central Rwy. Co.	do Transportation, A. D. Melvin.	20.40
The Colorado and Southern Rwy. Co.	do Transportation, Payne.	11.00
The Baltimore and Ohio R. R. Co.	do Transportation, Lawton.	17.50
The Pennsylvania R. R. Co.	do Transportation, Sargent.	10.00
The Lake Shore and Michigan Southern Rwy. Co.	do Transportation, Burgess.	39.58
The Delaware and Hudson Co.	do Transportation, Ramsay et al.	35.50
Lehigh Valley R. R. Co.	do Office rent.	23.15
Chicago Great Western Rwy. Co.	do Transportation, Glynn.	38.50
New York Central and Hudson River R. R. Co.	do Transportation, Ramsay et al.	16.60
Great Northern Rwy. Co.	do Transportation, Payne.	22.56
Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do Transportation, Lawton.	315.00
Commercial Bank of Fargo.	do Transportation, Glynn.	192.00
M. F. Flemiken.	do Transportation, Ramsay et al.	168.00
The Kansas City Stock Yards Co. of Missouri.	do Transportation, Ramsay et al.	150.00
E. G. Garcia, agent.	do Transportation, Ramsay et al.	120.00
James Leonard.	do Transportation, Ramsay et al.	144.00
F. Auerbach & Bro.	do Transportation, Ramsay et al.	60.00
John R. Harris.	do Transportation, Ramsay et al.	309.00
Columbia Live Stock Co.	do Transportation, Ramsay et al.	300.00
Bausch & Lomb Optical Co.	do Transportation, Ramsay et al.	299.22
Louis A. Klein.	do Transportation, Ramsay et al.	38.72
Thos. A. Bray.	do Transportation, Ramsay et al.	204.00
Wm. D. Jorden.	do Transportation, Ramsay et al.	
H. C. Babcock.	do Transportation, Ramsay et al.	
H. C. Williams.	Horse and buggy.	

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Traveling.	Miscellaneous.
				Per diem.	Per annum.	Salaries.	Miscellaneous items.		
CONTAGIOUS DISEASES INSPECTION—continued.									
R. G. Merrill						Horse and buggy.....			\$150.00
N. L. Townsend						do			125.00
A. W. Miller						do			90.00
A. D. Wagner						Street car fares.....			43.30
John B. Payson						do			31.55
H. B. Chaney						do			6.10
Z. D. Gilman						do			45.00
Moore Bros.						Typewriters.....			45.00
Wasem & Gaard						Roll-top desk.....			33.00
North Dakota Book and Stationery Co.						Mimeograph, bath, etc.			22.30
Duff & Repp Furniture Co.						Linoleum.....			31.00
Barber & Ross						Tacks.....			24.00
R. H. Russell						Desk and chair.....			27.50
The W. H. Kistler Stationery Co.						Mimeograph.....			16.00
W. O. Olsen Furniture Co.						Chairs.....			15.00
The Texas Co.						Crude petroleum.....			10.00
Pearbanks, Morse & Co.						Postal scale.....			6.00
Geo. C. Ayer						Hammers.....			1.20
Geo. S. Baker						Hammer and tacks.....			.60
Salt Lake Tent and Awning Co.						Awnings.....			11.50
American Linen Supply Co.						Towels and soap.....			6.00
Hibbard, Spencer, Bartlett & Co.						Clippers.....			4.80
Lager Furniture Co.						Mirror and stool.....			4.75
B. P. Wende						Sheep, crate, etc.			6.52
Rocky Mountain Bell Telephone Co.						Telephone rental.....			39.00
The Colorado Telephone Co.						do			30.00
Douglas County Telephone Co.						do			4.00
C. H. Brugbee						do			4.00
A. H. Belo & Co.						Advertising.....			9.60
San Francisco Call						do			5.60
Louisville Courier-Journal						do			5.14
Oklahoma State Capital						do			5.30
Daily Picayune						do			4.20

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

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Halethorpe, Md.						
Wm. H. Wade.....	Mar. 9, 1893					22.50
The Pennsylvania R. R. Co.....		Superintendent.....				225.00
The Real Estate and Improvement Co. of Baltimore City.....						
Rudolph, West & Co.....						
EXPORT CATTLE INSPECTION.						
Baltimore, Md.						
H. A. Hedrick.....	July 16, 1893	Inspector.....				44.60
Isaac L. Ball.....	Dec. 1, 1892	Clerk.....				
Wm. J. Sullivan.....	Dec. 16, 1893	Stock examiner.....				
Wm. Bonnett.....	Apr. 16, 1893	Tagger.....				
Jos. E. Blondell.....	do.....	do.....				
Chas. Eisenreich.....	Mar. 15, 1894	do.....				
H. A. Hedrick.....		do.....				
N. Rufus Gill.....						
Maryland Telegraph and Telephone Co.						
The Chesapeake and Potomac Telephone Co.						
Boston, Mass.						
Jes. F. Ryder.....	Oct. 1, 1892	Inspector.....				185.48
Thos. W. Carnachan.....	Apr. 1, 1903	do.....				
P. H. Mulowney.....	do.....	do.....				
Harry Q. Thompson.....	do.....	Vessel inspector.....				
Thomas Coyne.....	May 1, 1903	Clerk.....				
Cyrus K. Small.....	Feb. 16, 1903	Stock examiner.....				
Geo. D. Warner.....	July 1, 1898	Field stock examiner.....				
Do.....	July 1, 1905	Stock examiner.....				
Frank P. Nowlan.....	Jan. 1, 1903	Tagger.....				
C. B. Hutchinson.....	May 1, 1903	do.....				
Do.....	Mar. 1, 1900	Stock examiner.....				
L. L. Ballard.....	Apr. 16, 1905	Tagger.....				
F. H. Burleigh.....	Mar. 1, 1892	do.....				
Walter H. Hersey.....	Sept. 28, 1891	do.....				
J. F. Ryder.....	Oct. 23, 1899	do.....				
Trustees of the Oliver Building.....						
New England Telegraph and Telephone Co.						
Hooper, Lewis & Co.						
Marine O. & T. Supply Co.						
Stationery.....						
Towel service.....						
Telephone rental.....						
Telephony rental.....						

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscella-neous.	
				Per diem.	Per annum.		
EXPORT CATTLE INSPECTION—continued.							
B. P. Wende.	Inspector.	Apr. 15, 1903		\$1,600			\$6.65
W. N. D. Bird.	do	Jan. 1, 1904		1,500			
Benj. Howes.	do	Apr. 15, 1903		1,500			
Jno. P. O'Leary.	do	do		1,500			
L. A. Robinson.	do	do		1,500			
H. R. Ryder.	do	July 15, 1902		1,400			
Do.	do	Apr. 16, 1905		1,500			
E. L. Voldenau.	do	Aug. 1, 1904		1,500			
C. O. Durfee.	do	June 15, 1903		1,400			
Wm. C. Woolton.	do	Oct. 16, 1904		1,400			
Albert H. Hoyt.	Clerk.	May 1, 1893		1,000			
H. L. Newton.	Stock examiner.	Nov. 8, 1894		900			
Chas. W. Page, Jr.	do	July 1, 1904		900			
Geo. M. Dishong.	Tagger.	Dec. 12, 1901		720			
Geo. E. Wager.	do	June 10, 1901		720			
B. P. Wende.	do						
E. Buffalo Live Stock Exchange Co.	The Bell Telephone Co. of Buffalo						
Powier Mfg. Co. (Ltd.)							
<i>Chicago, Ill.</i>							
James Fleming.	Inspector.	May 1, 1903		1,500			
Max Wolf.	Clerk.	Feb. 1, 1896		1,000			
Arda Watson.	Live stock agent.	Jan. 1, 1894		900			
de L. Howard.	Stock examiner.	do		900			
Do.	Field stock examiner.	Feb. 1, 1903		1,000			
Do.	Stock examiner.			900			
Jas. J. Duffey.	do	Jan. 1, 1894		900			
Dighton Granger.	do	June 1, 1898		900			
Jere Holland.	do	Jan. 1, 1903		900			
Wm. C. Horan.	May 1, 1897			900			
John F. Kelly.	do	June 30, 1895		900			
M. J. Quirk.	do	Jan. 16, 1895		900			

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Patk. H. Griffin.....	Tagger.....	Feb. 15, 1894.....	720.....	720.00.....
Morton Hattery.....	do.....	Mar. 2, 1903.....	720.....	360.00.....
H. C. Johnson.....	do.....	June 17, 1901.....	720.....	180.00.....
M. M. Murray.....	do.....	Dec. 15, 1898.....	720.....	676.00.....
Richd. Walsh.....	do.....	June 1, 1894.....	720.....	720.00.....
Union Stock Yard and Trans-	Office rent.....			300.00.....
sit Co.				
<i>New York, N. Y.</i>				
Wm. H. Rose.....	Inspector.....	June 1, 1903.....	2,250.....	2,250.00.....
Henry Brister.....	do.....	Apr. 15, 1903.....	1,500.....	1,500.00.....
Thos. Castor.....	do.....	Jan. 1, 1903.....	1,500.....	1,500.00.....
S. G. Hendren.....	Vessel inspector.....	Nov. 1, 1903.....	1,500.....	1,500.00.....
Jas. Flannery.....	Clerk.....	Feb. 1, 1900.....	1,200.....	1,200.00.....
J. P. McEnaney.....	Special agent.....	Sept. 1, 1893.....	1,200.....	1,200.00.....
S. Royden Burch.....	Stock examiner.....	June 9, 1902.....	1,000.....	1,000.00.....
Wm. Foley.....	do.....	Jan. 1, 1894.....	1,000.....	1,000.00.....
Chas. F. Cramer.....	do.....	Oct. 1, 1901.....	900.....	900.00.....
Geo. Messener.....	do.....	Jan. 16, 1904.....	900.....	900.00.....
Geo. E. Schumacher.....	do.....	Jan. 1, 1904.....	900.....	900.00.....
Guy A. Sharp.....	do.....	do.....	900.....	900.00.....
Estate of Janes Stikeman.....				
Estate of Isabella P. Hunnewell.....	Office rent.....			250.00.....
New York Telephone Co.....				
Weehawken Stock Yard Co.,	Telephone service.....			105.90.....
New York and New Jersey	do.....			44.25.....
Telephone Co.	do.....			31.25.....
<i>Philadelphia, Pa.</i>				
George Carter.....	Vessel inspector.....	Feb. 1, 1900.....	1,200.....	1,200.00.....
John Biuhl.....	Laborer.....	Feb. 15, 1901.....	\$2.00.....	98.00.....
Wm. J. Haughay.....	do.....	Aug. 22, 1896.....	2.00.....	4.00.....
Chas. A. Schaufler.....				
Do.....				
The Bell Telephone Company				
of Philadelphia.	Telephone rental.....			56.00.....
<i>Pittsburg, Pa.</i>				
F. W. Ainsworth.....	Inspector.....	Apr. 1, 1903.....	1,500.....	1,491.67.....
W. O. McHugh.....	Assistant inspector.....	May 10, 1902.....	1,200.....	200.00.....
H. L. Bollinger.....	Stock examiner.....	Apr. 15, 1903.....	900.....	750.00.....
R. W. Culbert.....	Tagger.....	Sept. 18, 1903.....	720.....	60.00.....
Pittsburg Union Stock Yards Co.	Office rent.....			90.00.....
<i>Norfolk, Va.</i>				
Geo. C. Faville.....	Inspector.....			1,600.00.....
Sol Miller.....	Stock examiner.....			975.01.....
Walter E. Stoner.....	do.....			900.00.....
T. F. Rogers, agent.....	Office rent.....			210.00.....

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Disbursements.			Traveling.	Miscellaneous.
				Compensation.	Per diem.	Per annum.		
MEAT INSPECTION—cont'd.								
<i>Chicago, Ill.—Continued.</i>	Inspector.							
J. G. Fish.		Oct. 1, 1903		\$4,500				\$425.00
H. W. Hawley	do	do		1,500				1,300.00
James G. Hope	do	Feb. 1, 1904		1,500				1,500.00
Geo. A. Lytle	do	Nov. 1, 1903		1,500				1,500.00
M. T. Naughton	do	Feb. 1, 1904		1,500				1,500.00
Don W. Patton	do	Oct. 1, 1903		1,500				1,445.83
H. D. Passon	do	May 1, 1903		1,500				125.00
W. C. Siegmann	do	do		1,500				1,500.00
E. L. Siggena	do	Apr. 1, 1904		1,500				1,500.00
Frank S. Tufts	do	May 1, 1903		1,500				1,500.00
Henry E. Brown	do	Apr. 1, 1903		1,400				1,175.28
Do	do	May 16, 1905		1,500				\$15.50
S. H. Caldwell	do	Jan. 1, 1904		1,400				1,400.00
A. M. Casper	do	Jan. 1, 1896		1,400				7.35
Do	do	May 1, 1905		1,500				1,362.21
J. C. Cloud	do	Dec. 16, 1903		1,400				1,400.00
H. H. Cohenour	do	June 1, 1904		1,400				482.21
W. I. Dillingham	do	June 15, 1903		1,400				781.67
R. F. Eagle	Assistant inspector	June 10, 1901		1,200				3.75
Do	Inspector	Sept. 1, 1904		1,400				423.89
Hazen L. Hicks	do	Dec. 16, 1903		1,400				1,050.00
D. S. Kanstroroom	Assistant inspector	Aug. 20, 1901		1,200				1,358.90
Do	Inspector	Sept. 1, 1904		1,400				1,366.67
Jens Madsen	Assistant inspector	Aug. 22, 1901		1,200				1,400.00
Do	Inspector	Sept. 1, 1904		1,400				9.75
John W. Montague	do	Apr. 1, 1904		1,400				513.33
Chas. B. Potter	do	July 31, 1904		1,400				66.67
Thomas L. Rice	do	Mar. 1, 1901		1,200				1,250.00
John M. Simpson	Assistant inspector	May 23, 1901		1,400				1,400.00
Do	Inspector	Aug. 1, 1904		1,200				356.67
W. B. Trebatch	Assistant inspector	Dec. 5, 1902		1,400				76.67
Do	Inspector	Sept. 1, 1904		1,400				63.33
Alex. C. Walls	do	Apr. 1, 1904		1,400				
Wm. M. Bauer	Assistant inspector	Mar. 4, 1905		1,200				
E. H. Baumann	do	Nov. 26, 1904		1,200				
C. H. Behler	do	June 1, 1904		1,200				

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J. S. Berner.....	Nov. 27, 1903	June 30, 1905	
P. J. Brady.....	May 16, 1904	
J. C. Burneson.....	do	
Arlton K. Dean.....	do	
Geo. E. Frye.....	do	.....
Floyd A. Gibbs.....	do	.....
Hannes Hella.....	do	.....
J. J. L. Heldring.....	do	.....
E. P. Henderson.....	do	.....
Fred E. Johnson.....	do	.....
Carl A. Johnston.....	do	.....
Philip K. Jones.....	do	.....
Louis H. Kraus.....	do	.....
Albert H. Logan.....	do	.....
Alfred E. Lukas.....	do	.....
Wm. J. Muldown.....	do	.....
R. M. Mullings.....	do	.....
Geo. M. Ots.....	do	.....
Arthur Paul.....	do	.....
C. R. Perkins.....	do	.....
Chas. A. Raqué.....	do	.....
W. Schumacher.....	do	.....
Geo. A. Scott.....	do	.....
Jasper J. Smart.....	do	.....
Frederk. Stehle.....	do	.....
Billa D. W.A.Y.....	do	.....
Herman Wehner.....	do	.....
Wm. L. West.....	do	.....
John M. Young.....	do	.....
W. Arthur Young.....	do	.....
Alvine Hosteller.....	Clark	.....
Do.....	do	.....
Horace G. Arnold.....	do	.....
J. N. Fitzgerald.....	do	.....
E. B. Luce.....	do	.....
J. J. O'Malley.....	do	.....
Chas. S. Pew.....	do	.....
Chas. W. Philpot.....	do	.....
S. H. Tourtelotte.....	do	.....
Jacob K. Skinner.....	do	.....
Norman R. Adams.....	Field stock examiner	.....
Do.....	Stock examiner	.....
E. W. Barthold.....	do	.....
George Best.....	do	.....
Clark C. Bone.....	do	.....
R. A. Broadhurst.....	do	.....
H. G. Burdick.....	do	.....
John L. Burgess.....	do	.....
John W. Burton.....	do	.....
Thomas G. Clark.....	do	.....
James J. Dunfee.....	do	.....
David S. Farley.....	do	.....

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name,	Designation,	Appointed,	Services ended,	Disbursements.			Traveling,	Miscella-neous,
				Compensation, per diem,	Per annum,	Miscellaneous items,		
MEAT INSPECTION—cont'd.								
<i>Chicago, Ill.—Continued.</i>								
A. L. Finance	Stock examiner	Mar. 16, 1901		\$800				\$267.50
Frank J. Foss	do	June 1, 1893		900				507.30
David Frisch	do	Jan. 1, 1894		900				872.50
Thomas R. Fugit	do	May 1, 1899		900				900.00
James Gardner	do	June 2 ¹ , 1895		900				900.00
John J. Garrity	Tugger	Sept. 1, 1893		720				
Do	Stock examiner	Nov. 1, 1904		900				840.00
Dighton Grainger	do	June 1, 1898		900				750.00
Geo. T. Hanton	do	June 2 ¹ , 1895		900				900.00
Wm. Harpst	do	do		900				900.00
Jas. Herriman	do	Feb. 1, 1901		900				900.00
P. P. Herron	do	May 16, 1904		900				900.00
Wm. P. Hickey	do	Feb. 15, 1894		900				900.00
De L. Howard	do	Feb. 1, 1903		900				37.30
Dennis Hurley	do	Aug. 1, 1895		900				\$24.25
Geo. E. Jaquin	do	Sept. 30, 1904		900				212.50
Thomas H. Jones	do	July 16, 1903		900				900.00
Los F. Jordan	do	May 16, 1904		900				267.50
John F. Kelly	do	Jan. 1, 1894		900				900.00
Julius Kidder	do	June 30, 1895		900				75.00
R. Koechanski	do	Sept. 1, 1898		900				900.00
Ohio D. Korcz	do	Jan. 1, 1894		900				900.00
Geo. Lanhman	do	June 27, 1895		900				765.00
Richd. E. Lyman	do	Jan. 1, 1894		900				600.00
James McDonald	do	Apr. 23, 1894		900				900.00
Do	Tugger	May 1, 1902		720				840.00
A. J. McFarland	do	Nov. 1, 1904		900				900.00
Abraham M. Manay	do	May 16, 1904		900				805.00
J. J. Moloy	do	July 27, 1897		900				900.00
Jas. A. Murphy	do	June 27, 1895		900				900.00
John Murphy	do	Jan. 1, 1894		900				900.00
Terence O'Brien	do	Feb. 15, 1894		900				900.00
Thos. O'Shaughnessy	do	do		900				640.00
W. S. Peacock	Field stock examiner	Mar. 1, 1904		900				1,000
Do	Stock examiner	Dec. 1, 1904		900				525.00
John J. Ryan	do	Jan. 1, 1894		900				900.00

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J. W. Sarsfield.....	do.....	Field stock examiner.....	Apr. 1, 1905.....	10.00.....
Do.....	Stock examiner.....	Apr. 16, 1905.....	900.00.....	
Do.....	do.....	Feb. 1, 1903.....	900.00.....	
Casper J. Schmitt.....	do.....	June 27, 1895.....	900.00.....	
Frank Schroeder.....	do.....	May 16, 1904.....	900.00.....	
Alvin R. Scott.....	do.....	Nov. 1, 1904.....	900.00.....	
Jas. R. Simpson.....	do.....	Jan. 16, 1894.....	375.00.....	
Sam'l T. Smith.....	do.....	Jan. 1, 1899.....	900.00.....	
John P. Sonners.....	do.....	July 1, 1896.....	900.00.....	
Thos. J. Wade.....	do.....	Jan. 15, 1896.....	900.00.....	
F. D. Waterman.....	do.....	Feb. 1, 1896.....	885.00.....	
H. B. Weller.....	do.....	June 1, 1904.....	900.00.....	
Thos. A. White.....	do.....	June 27, 1895.....	900.00.....	
H. D. Williams.....	do.....	do.....	900.00.....	
George W. Wood.....	do.....	Nov. 1, 1895.....	877.50.....	
Theo. B. Zundel.....	Tagger.....	Feb. 23, 1903.....	900.00.....	
Virgil L. Brown.....	do.....	Oct. 1, 1904.....	900.00.....	
L. A. Cambridge.....	do.....	Oct. 8, 1904.....	900.00.....	
P. W. Campbell.....	do.....	Oct. 14, 1897.....	900.00.....	
Geo. T. Casper.....	do.....	Jan. 1, 1892.....	320.00.....	
Wm. D. Clark.....	do.....	Sept. 18, 1903.....	320.00.....	
Wm. Cleveland.....	do.....	May 10, 1904.....	122.00.....	
Gilbert T. Creech.....	do.....	Nov. 10, 1899.....	540.00.....	
Robert W. Culbert.....	do.....	Aug. 8, 1904.....	190.00.....	
H. H. Dalzell.....	do.....	May 23, 1895.....	720.00.....	
Wm. E. Damaler.....	do.....	July 17, 1893.....	720.00.....	
John A. Elliott.....	do.....	May 4, 1904.....	156.00.....	
Jas. A. Flanagan.....	do.....	Aug. 1, 1897.....	480.00.....	
James Foley.....	do.....	Nov. 10, 1899.....	716.00.....	
John H. Folts.....	do.....	Feb. 1, 1894.....	720.00.....	
Redden Forbes.....	do.....	July 5, 1902.....	720.00.....	
Albert W. Ford.....	do.....	Nov. 7, 1902.....	720.00.....	
Wm. Fox.....	do.....	do.....	390.00.....	
Walter C. Frick.....	do.....	do.....	36.00.....	
Edw. R. Graham.....	do.....	Stock examiner.....	702.00.....	
Do.....	Tagger.....	Apr. 9, 1905.....	720.00.....	
A. C. Griesheimer.....	do.....	Aug. 10, 1903.....	720.00.....	
Harry Halbisch.....	do.....	May 16, 1893.....	720.00.....	
Thomas Hansen.....	do.....	May 16, 1905.....	720.00.....	
Do.....	Stock examiner.....	May 5, 1903.....	720.00.....	
Edw. A. Harper.....	Tagger.....	July 1, 1904.....	720.00.....	
C. F. Harrington.....	do.....	Mar. 2, 1903.....	720.00.....	
Morton Hattery.....	do.....	Nov. 10, 1899.....	720.00.....	
Frank A. Healy.....	do.....	May 1, 1903.....	900.00.....	
Do.....	Stock examiner.....	Mar. 16, 1903.....	900.00.....	
H. V. Heather, Jr.....	Tagger.....	Feb. 26, 1905.....	200.00.....	
Paul C. Henry.....	do.....	Mar. 14, 1904.....	480.00.....	
Clay M. Herbert.....	do.....	May 7, 1904.....	47.75.....	
Wm. H. Hill.....	do.....	Dec. 1, 1904.....	60.00.....	
Artemus Irving.....	do.....	Nov. 25, 1902.....	48.00.....	
Do.....	Stock examiner.....	Apr. 1, 1905.....	765.00.....	
Herman Jacobus.....	Tagger.....	June 27, 1895.....	240.00.....	

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.	Disbursements.
				Per diem.	Per annum.
				Miscellaneous items.	Salaries.
MEAT INSPECTION—cont'd.					
<i>Chicago, Ill.—Continued.</i>					
Jos. S. Jenison.	Tagger.	Jan. 8, 1904	June 17, 1901	\$720	\$420.00
H. C. Johnson.	Stock examiner.	Apr. 1, 1905	do	900	586.00
Do.	Tagger.	Dec. 1, 1904	do	720	420.00
Wm. J. Keleher.	do	Feb. 2, 1903	do	720	600.00
John W. Leary.	do	May 16, 1893	do	720	720.00
Jacob Leisman.	do	Sept. 1, 1903	do	720	180.00
O. E. Lindburg.	do	Oct. 5, 1903	do	720	719.00
Fred Loman.	do	Feb. 9, 1903	do	720	720.00
Edw. G. Long.	do	Aug. 15, 1893	do	720	720.00
Danl. Lynch.	do	Adr. 28, 1902	do	720	720.00
John H. McClure.	do	May 1, 1905	do	900	540.00
Wm. McKay.	Stock examiner.	June 27, 1895	do	720	668.00
Chas. McKinstry.	do	Sept. 14, 1903	do	720	720.00
Michl Metzger.	do	Sept. 15, 1893	do	720	720.00
Geo. W. Meyers.	do	Apr. 20, 1904	do	720	300.00
Geo. W. Neff.	do	Mar. 16, 1903	do	720	720.00
C. L. Norris.	do	May 1, 1903	do	720	222.00
Frank W. Orme.	do	May 5, 1904	do	720	240.00
A. D. Payne.	do	Dec. 1, 1904	do	720	420.00
S. P. Peterson.	do	Sept. 25, 1903	do	720	566.00
John Portfield.	do	Apr. 1, 1905	do	720	180.00
John Potts.	do	Oct. 9, 1903	do	720	600.00
H. B. Raffensperger.	do	Apr. 18, 1905	do	720	102.00
Edw. S. Roberts.	do	Sept. 12, 1904	do	720	578.00
H. R. Schlyter.	do	Mar. 22, 1904	do	720	660.00
I. Shorridge.	do	Dec. 2, 1895	do	720	720.00
Harry A. Smith.	do	Oct. 9, 1903	do	720	422.00
Thomas M. Smith.	do	Oct. 15, 1900	do	720	720.00
J. E. Stansbury.	do	Mar. 12, 1903	Oct. 10, 1904	720	198.00
Danl. D. Tierney.	do	Sept. 19, 1904	do	720	84.00
J. E. Troughton.	do	Dec. 1, 1892	/20	630.00	630.00
Albert J. Turner.	do	Apr. 25, 1904	do	720	672.00
S. J. Walkley.	do	do	do	720	544.00
Walter Walsh.	do	May 16, 1893	do	720	720.00
F. R. Washburn.	do	Oct. 18, 1898	do	720	180.00
W. D. Mills.	do	Sept. 18, 1900	do	720	352.50
Laborer.	do	do	do	do	8.00

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Hiram Grable.....	do.....	624.00	2.85
Boyd Baldwin.....	do.....	42.50	42.50
Oregon Short Line R.R.....	do.....	42.50	42.50
Denver and Rio Grande R.R. Co.....	do.....	41.55	41.55
Chicago, Burlington and Quincy Rwy. Co.....	do.....	34.00	34.00
The Pennsylvania R.R. Co.....	do.....	40.00	40.00
Boston and Maine R.R.....	do.....	51.45	51.45
Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	36.96	36.96
Great Northern Rwy. Co.....	do.....	30.75	30.75
Chicago and North Western Rwy. Co.....	do.....	29.50	29.50
Chicago, Rock Island and Pacific Rwy. Co.....	do.....	20.00	20.00
New York Central and Hudson River R.R. Co.....	do.....	20.25	20.25
Illinois Central R.R. Co.....	do.....	7.50	7.50
The Wabash R.R. Co.....	do.....	7.25	\$1,307.30
Chicago and Eastern Illinois R.R. Co.....	do.....	360.00	360.00
The Chicago and Alton Rwy. Union Stock Yards and Transit Co.....	do.....	175.00	175.00
J. B. Sine.....	do.....	76.51	76.51
S. W. Burt.....	do.....	205.00	205.00
O. E. Dyson.....	do.....	98.25	98.25
Chicago Telephone Co.....	do.....	39.35	39.35
Mary Abbott.....	do.....	27.38	27.38
Transit House Stores.....	do.....	26.37	26.37
The Consumers' Co.....	do.....	26.80	26.80
Stock Yards Hardware and Paint Co.....	do.....	9.75	9.75
W. Cary Lewis & Co.....	do.....	4.80	4.80
Rockwell-Barnes Co.....	do.....	5.75	5.75
Fay-Sholes Co.....	do.....	4.80	4.80
E. F. Goodall & Co.....	do.....	.50	.50
Hibbard, Spencer, Bartlett & Co.....	do.....	2.50	2.50
R. G. Bolich.....	do.....	1.600	1.600
Underwood Typewriter Co.....	do.....	2,000.00	2,000.00
Kansas City, Kans. and Mo. Sainl. E. Bennett.....	Oct. 1, 1901	2,66.66	2,66.66
Thos. J. Turner.....	Sept. 1, 1901	do.....	1.75

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.				
				Per diem.	Per annum.	Miscellaneous items.	Salaries.			
MEAT INSPECTION—cont'd.										
<i>Kansas City, Kans., and Mo.—Continued.</i>										
C. H. Bugbee	Inspector	Jan. 1, 1904	\$1,500			\$625.00	\$35.35			
W. H. Ross Cooper	do	Oct. 1, 1903	1,500			1,500.00				
C. H. Davies	do	Aug. 1, 1902	1,500			250.00				
John S. Grove	do	May 1, 1902	1,400							
Do.	do	Aug. 16, 1904	1,500			1,170.82				
Benj. F. Kaupp	do	Oct. 1, 1903	1,500			312.50				
Jas. L. Ottorman	do	Aug. 1, 1902	1,400							
Do.	do	Aug. 1, 1904	1,400			1,458.33				
Henry C. Babcock	do	Sept. 1, 1903	1,400			1,357.23				
Nelson V. Boyce	do	June 1, 1903	1,400			933.33	12.05			
B. A. Gallagher	Assistant inspector	Aug. 20, 1901	1,200							
Do.	do	Sept. 1, 1904	1,400			666.67				
Wm. F. Lawry	Inspector	Sept. 1, 1903	1,400			1,400.00				
A. W. Swedberg	do	Jan. 1, 1903	1,400			575.56				
Harvey A. Alcorn	Assistant inspector	Sept. 1, 1904	1,200			400.00				
Jrark T. Allen	do	July 16, 1903	1,200			1,200.00				
S. C. Babson	do	Aug. 15, 1904	1,200			300.00	5.65			
M. H. Cochran	do	Sept. 1, 1904	1,200			290.00				
J. D. Cooper	do	Dec. 15, 1902	1,200			1,200.00				
Wm. M. Cummings	do	Apr. 25, 1904	1,200			1,000.00				
Robert Dill	do	Sept. 1, 1904	1,200			1,000.00				
John G. Eagle	do	Mar. 26, 1904	1,200			1,000.00				
Alfred N. Ewell	do	July 1, 1904	1,200			1,033.33				
Wm. A. Fry	do	July 1, 1904	1,200			63.33				
John J. Gallagher	do	do	1,200			900.00				
Ralph Graham	do	July 7, 1904	1,200			463.33				
Wm. J. Guillois	do	Mar. 1, 1904	1,200			1,133.34				
Timothy C. Hays	do	June 17, 1903	1,200			1,000.00				
Alfred B. Hollis	do	Apr. 30, 1905	1,200			1,00.00				
Harvey B. Hollis	do	July 1, 1903	1,200			300.00	5.65			
Leslie M. Hurt	do	May 5, 1904	1,200			100.00				
George Jerome	do	Sept. 30, 1904	1,200			200.00				
F. L. Kaunschmidt	do	Dee. 1, 1904	1,200			130.00				
Peter T. Keeley	do	Aug. 17, 1903	1,200			600.00				
		Nov. 12, 1904	1,200			600.00				
		May 14, 1905	1,200							

John Keppel	.do		1,000.00
D. C. Langford	.do		806.67
Lewis A. Licking	.do		763.33
Milton C. Lint	.do		1,200.00
Chas. M. Morgan	.do		1,186.67
R. M. Mullings	.do		1,200.00
Edwin P. Niles	.do		1,200.00
John P. O'Connor	.do		1,200.00
Lewis L. Palmer	.do		1,200.00
C. A. Parkerson, Jr.	.do		1,200.00
George E. Repp	.do		1,200.00
H. L. Richmond	.do		1,200.00
M. A. Sappington	.do		1,200.00
H. M. Schulz	.do		1,200.00
Jos. O. Shumcole	.do		1,200.00
S. H. Stephens	.do		1,200.00
O. A. Stingley	.do		1,200.00
Edgar N. Stout	.do		1,200.00
Fred. W. Weston	.do		1,200.00
Frank L. Winant	.do		1,200.00
Hiram G. Herrick	Clerk		1,200.00
I. N. Vance	.do		1,200.00
Geo. D. Young	.do		1,200.00
Charles Adams	Stock examiner		1,200.00
Joseph G. Beattie	.do		1,200.00
E. W. Bell	.do		1,200.00
C. E. Blackmar	.do		1,200.00
Geo. W. Bromell	.do		1,200.00
Edw. A. Bundy	.do		1,200.00
Wm. Burgess	.do		1,200.00
Geo. E. Butin	.do		1,200.00
Oliver W. Byrd	Field stock examiner		1,200.00
Do	Stock examiner		1,200.00
Earl C. Cannon	.do		1,200.00
Geo. T. Cather	.do		1,200.00
Chas. C. Conley	.do		1,200.00
Bern'd Cunningham	.do		1,200.00
Matt. A. Farley	.do		1,200.00
Josiah D. Flora	.do		1,200.00
Geo. A. Franklin	Field stock examiner		1,200.00
H. D. Freeman	Stock examiner		1,200.00
Do	.do		1,200.00
Albert Fowkes	.do		1,200.00
Moses W. Games	Clerk		1,200.00
Do	Stock examiner		1,200.00
Wm. B. Garlock	.do		1,200.00
Washington Gobbie	Field stock examiner		1,200.00
Do	Stock examiner		1,200.00
Frank Jelen	.do		1,200.00
Thos. A. McLeland	.do		1,200.00
M. J. Madden	.do		1,200.00
Porter J. Morgan	May 7, 1894		872.50
Sept. 17, 1902	June 30, 1905		
Oct. 1, 1904			
Aug. 13, 1904			
July 1, 1903			
Mar. 14, 1904	June 30, 1905		
Sept. 1, 1904	Jan. 17, 1905		
Aug. 1, 1902			
Dec. 18, 1903			
Sept. 1, 1903	June 30, 1905		
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Nov. 9, 1904			
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Aug. 15, 1902			
May 16, 1895			
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Aug. 1, 1904			
Sept. 16, 1904			
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Sept. 17, 1902	June 30, 1905		
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Mar. 14, 1904	June 30, 1905		
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May 1, 1896			
Sept. 17, 1902	June 30, 1905		
Oct. 1, 1904			
Aug. 13, 1904			
July 1, 1903			
Mar. 14, 1904	June 30, 1905		
Sept. 1, 1904	Jan. 17, 1905		
Aug. 1, 1902			
Dec. 18, 1903			
Sept. 1, 1903	June 30, 1905		
May 1, 1905			
Nov. 9, 1904			
May 1, 1902			

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellaneous items.	Disbursements.	Salaries.	Traveling.	Miscellaneous.
				Per diem.	Per annum.					
MEAT INSPECTION—cont'd.										
<i>Kansas City, Kans. and Mo.—Continued.</i>										
Henry Morley	Stock examiner			\$900			\$900.00			
Thos. Noonan	Tagger	Oct. 1, 1900		720			877.50			
Do.	Stock examiner	Aug. 26, 1901		900						
Thos. B. Kea	do	Aug. 16, 1904		900						
J. H. Richardson	Field stock examiner	May 24, 1900		1,000			187.50			
Geo. H. Robinson	Stock examiner	Sept. 16, 1904		900						
Chas. W. Rowse	do	May 3, 1894					900.00			
Wm. H. Saunders	do	do					265.00			
J. W. Shannon	do	Feb. 1, 1901		900			900.00			
Henry Singletor	Field stock examiner	June 6, 1903		900			900.00			
Do.	Stock examiner	Apr. 1, 1904		1,000			890.00			
A. E. Wagner	do	Jan. 1, 1905		900			150.00			
Chas. I. Welch	do	May 1, 1894		900			150.00			
Geo. H. Woolfolk	do	Feb. 1, 1904		900			150.00			
Wm. Yenne	do	Mar. 2, 1896		900			150.00			
E. T. Allingham	Tagger	Feb. 1, 1901		900			150.00			
Geo. F. Baab	do	Mar. 24, 1904		1,000			150.00			
D. R. Barthart	do	Aug. 12, 1903		720			150.00			
Stephen Bray	do	July 1, 1904		720			150.00			
Anson W. Biggs	do	Feb. 28, 1905		720			150.00			
Do.	Stock examiner	May 18, 1905		720			150.00			
D. M. Campbell	Tagger	Aug. 1, 1901		720			150.00			
Clifton Carter	do	May 1, 1906		720			150.00			
Harris B. Cook	do	do		720			150.00			
Chas. M. Cooper	do	Apr. 10, 1903		1,000			150.00			
Do.	Stock examiner	Dec. 15, 1902		720			150.00			
Chas. M. Crockett	Tagger	May 1, 1906		900			150.00			
Victor F. Croft	do	June 15, 1903		720			150.00			
Ernest T. Faulder	do	May 15, 1905		720			150.00			
Edw. K. Glover	do	June 25, 1904		720			150.00			
John A. Grant	do	Oct. 8, 1904		720			150.00			
Jesse H. Hawkins	do	Mar. 2, 1903		720			150.00			
Jas. R. Haynes	do	Oct. 15, 1897		720			150.00			
		Nov. 15, 1904		720			150.00			
		Sept. 10, 1902		720			150.00			

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

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Jos. I. Healy.....	do.....	May 7, 1904	June 22, 1905
C. B. Ingalls.....	do.....	Apr. 20, 1904	
August, lost.....	do.....	Aug. 18, 1897	
E. R. Kerby.....	do.....	Nov. 9, 1904	Nov. 12, 1904
Harrison H. Knox.....	do.....	Nov. 1, 1897	
Albert B. Koen.....	do.....	Sept. 12, 1902	
Do.....	Stock examiner.....	May 1, 1896	
John S. Koen.....	Tagger.....	Apr. 21, 1904	
Albert M. Meade.....	do.....	Nov. 9, 1904	
Geo. W. Meyers.....	do.....	Apr. 20, 1904	
O. F. Omsted.....	do.....	Feb. 10, 1904	
Do.....	Stock examiner.....	May 1, 1895	
Danl. S. Plaist.....	Tagger.....	Jan. 22, 1894	
Joseph C. Reid.....	do.....	Nov. 1, 1902	
L. S. Rohrer.....	do.....	Dec. 1, 1904	
Howard A. Smith.....	do.....	Apr. 20, 1904	Oct. 26, 1904
Walter A. Smith.....	do.....	Aug. 21, 1903	
Jas. R. Stafford.....	do.....	Feb. 7, 1898	
Jas. M. Steel.....	do.....	Aug. 1, 1897	
Fredk. P. Travers.....	do.....	Nov. 10, 1904	
Oliver P. Treas.....	do.....	Apr. 20, 1904	
Harvey L. Waller.....	do.....	May 25, 1905	
Dick E. Warner.....	do.....	May 5, 1903	
Nelson E. Weaver.....	do.....	Jan. 3, 1898	
H. E. Zimmerman.....	do.....	May 1, 1905	
Jennie Tunstall.....	Assistant microscopist.....	Sept. 1, 1893	
Robert Ivors.....	Laborer.....	Jan. 10, 1900	\$2.00
Union Pacific R. R. Co.....		600	Transportation, Conley - Transportation, Singleton
The Atchison, Topeka, and			et al.
Santa Fe Rwy. Co.....			Transportation, O'Conor
The Pecos Valley and North- eastern Rwy.			et al.
The Chicago and Alton Rwy.			Transportation, Hood et al.
Co.			
Chicago, Rock Island and			Transportation, Babb and
Pacific Rwy. Co.			Walch.
The Missouri Pacific Rwy. Co.			Transportation, Cannon and
			Aillingham.
Northern Pacific Rwy. Co.			Transportation, Kepell.
Denver and Rio Grande R. R.			Transportation, Bugbee.
The Kansas City Stock Yards			Office rentf.
Co. of Missouri.			
S. E. Bennett.....			Saddle horse
H. C. Babcock.....			do
J. R. Stafford.....			Horse and wagon -
Missouri and Kansas Tele-			Telephone rental.
phone Co.			
Armour Packing Co.....			do
Cudahy Packing Co.....			do
Fowler Packing Co.....			do
Nelson Morris & Co.....			do
Swift & Co.....			do

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.—Continued.

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

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Robt. Harrison.....		\$55.85
Meader & Cathcart.....		30.75
Geo. W. Butler.....		300.00
Do.....		1.02
 <i>South Omaha, Neb.</i>		
Don C. Ayer.....	Inspector.....	
Levi P. Beechy.....	Oct. 1, 1903	2,000.00
Dean G. Cooper.....	do	233.33
Chas. M. Day.....	do	1,500.00
L. Fones Day.....	do	1,500.00
A. F. Everett.....	do	1,500.00
H. M. Baichelder.....	do	1,500.00
Henry J. Hancock.....	do	1,500.00
I. C. Mattatall.....	do	1,500.00
Arthur W. Miller.....	do	1,500.00
Frank E. Murray.....	do	1,500.00
Harvey A. Alcorn.....	do	1,500.00
Rollin M. Allen.....	do	1,500.00
Howard Baker.....	July 25, 1904	1,200.00
John E. Bender.....	do	1,200.00
A. M. Blackwell.....	do	1,200.00
J. V. Foster.....	do	1,200.00
James Hart.....	do	1,200.00
Chas. H. Herold.....	do	1,200.00
Frank A. Ingram.....	do	1,200.00
John V. Jewel.....	do	1,200.00
W. E. McCray.....	do	1,200.00
George H. Minor.....	do	1,200.00
Will R. O'Neal.....	do	1,200.00
Thos. S. Partan.....	do	1,200.00
Chas. H. Rapp.....	do	1,200.00
John Sevenster.....	do	1,200.00
Slas L. Shaw.....	do	1,200.00
C. E. Simmons.....	do	1,200.00
Frank L. Skrabble.....	do	1,200.00
Wm. H. Spear.....	do	1,200.00
Chas. A. Stewart.....	do	1,200.00
Zach Veldhus.....	do	1,200.00
C. J. Young.....	do	1,200.00
Chas. Conoyer.....	Clerk.....	
Phelps Payne.....	do	1,000.00
Chas. S. Seratten.....	do	816.65
Jacob Burkard.....	Nov. 1, 1903	900.00
Chas. E. Campbell.....	May 12, 1903	880.00
W. W. Crandall.....	Aug. 1, 1902	712.50
Ira F. Kneec.....	June 15, 1903	900.00
Jacob I. Payne.....	Feb. 1, 1901	900.00
Arthur E. Miller.....	do	900.00
Chris. M. Raff.....	do	900.00
Sam'l. A. Risley.....	Feb. 1, 1903	352.50
	Dec. 2, 1904	900.00
Travel.....		
Roll-top desk.....		
Horse and buggy.....		
Office expenses.....		

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation. Per diem.	Compensation. Per annum.	Miscellaneous items.	Disbursements.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—cont'd.										
<i>South Omaha, Nebr.—Con.</i>										
Stephen Roberts.....	Stock examiner			\$900			\$900.00			
Philip Smith.....	do	July 25, 1898		900			900.00			
Henry C. Williams.....	do	July 1, 1902		900			75.00			
Aaron Kostal.....	Tagger	Feb. 1, 1901		840			840.00			
Thomas Leddy.....	do	Apr. 1, 1904		840			840.00			
Ethan Adams.....	do	Apr. 20, 1904		720			720.00			
T. J. Alexander.....	do	Aug. 1, 1897		720			58.00			
Jere S. Allen.....	do	May 16, 1904		720			76.00			
Rollie J. Archer.....	do	Sept. 8, 1903		720			720.00			
Jas. W. Barrett.....	do	Sept. 9, 1903		720			720.00			
John T. Blair.....	do	May 1, 1898		720			720.00			
Frank L. Boone.....	do	June 10, 1903		720			300.00			
Edw. V. Bowser.....	do	Sept. 20, 1904		720			300.00			
James Condon.....	do	Aug. 4, 1897		720			2.20			
Perry Craig.....	do	Apr. 18, 1904		720			720.00			
John V. De Laney.....	do	May 5, 1904		720			720.00			
Reuben Forbes.....	do	Aug. 1, 1897		720			636.00			
Chas. T. Forster.....	do	July 19, 1904		720			108.00			
Arthur W. Gove.....	do	Sept. 9, 1903		720			720.00			
Orlando W. Helvey.....	do	Dec. 1, 1898		720			720.00			
Fred Heys.....	do	Sept. 19, 1904		720			162.00			
Edgar Jackson.....	do	June 15, 1903		720			180.00			
Thomas Keppel.....	do	May 16, 1904		720			28.00			
Clifton D. Lowe.....	do	Nov. 12, 1904		720			458.00			
Hayes S. Lyte.....	do	Nov. 10, 1904		720			462.00			
John McCann.....	do	June 27, 1895		720			720.00			
P. S. McLaughlin.....	do	Sept. 9, 1903		720			180.00			
Geo. O. Marshall.....	do	Aug. 15, 1902		720			330.00			
Do.....	Stock examiner			900			9.05			
Sam'l H. Miller.....	Tagger			720			116.00			
C. A. Milner.....	do			720			720.00			
Chas. E. Moore.....	do			720			540.00			
Frank G. Olson.....	do			720			74.00			
John B. Payton.....	do			720			720.00			
Wm. T. Pritchard.....	do			720			720.00			
							236.00			
							Oct. 29, 1904			
							July 22, 1903			
							July 16, 1897			
							Sept. 23, 1903			
							Oct. 29, 1904			

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Jas. T. Robertson.....	do.....	Nov. 1, 1897	720	
L. Schibusby.....	do.....	Nov. 6, 1893	720	
Geo. H. Schroeder.....	do.....	Nov. 6, 1893	720	
Harry A. Shatzell.....	do.....	Aug. 1, 1898	720	
Clyde G. Spencer.....	do.....	Aug. 4, 1897	720	
C. G. Surton.....	do.....	Sept. 6, 1904	720	
H. C. Ulmer.....	do.....	June 12, 1903	720	
J. F. M. Wolfe.....	do.....	Sept. 9, 1903	720	
James E. Woolm.....	do.....	Dec. 19, 1904	720	
James Austin.....	Laborer.....	Mar. 1, 1905	720	
J. O. Eastman.....	do.....	July 1, 1901	720	
The Archison, Topeka and Santa Fe Rwy. Co.	do.....	July 1, 1897	2.00	
The Baltimore and Ohio R. R. Co.	Transportation, Alexander.			50.00
The Wabash R. R. Co.	Transportation, Stewart.			20.10
Minneapolis, St. Paul and Sault Ste. Marie Rwy. and Chicago, Burlington and Quincy Rwy. Co.	Transportation, Bowser.			11.50
Don C. Ayer.....	Transportation, Veldhuis.			14.25
Nebraska Telephone Co.	Transportation, Shaw.			11.60
Glynn & Smith Frontier Towel Supply Co.	Saddle horse.			\$180.00
Shott Stationery Co.	Telephone.			54.00
	Hauling.			25.50
	Towel supply.			8.38
	Ink and blotters.			9.20
<i>Cincinnati, Ohio.</i>				
George Ditewig.....	Inspector.....	July 1, 1904	1,600	
Joseph M. Good.....	do.....	Apr. 1, 1902	1,400	
Arthur C. Hart.....	do.....	June 1, 1903	1,400	
Andrew Hyde.....	do.....	Apr. 16, 1904	1,400	
Edw. K. Ward.....	do.....	July 1, 1903	1,400	
Edw. C. Carle.....	do.....	July 1, 1904	1,400	
Francis B. Drake.....	do.....	Aug. 1, 1904	1,200	
A. L. Hirshman.....	do.....	July 1, 1903	1,200	
Chas. A. Stewart.....	do.....	June 9, 1904	1,200	
C. O. Wagoner.....	do.....	Aug. 8, 1903	1,200	
John Holberg.....	Stock examiner.	Feb. 1, 1904	900	
M. J. Ragland.....	do.....	do.....	900	
Harvey L. Shale.....	do.....	do.....	900	
W. H. Timmons.....	do.....	June 24, 1901	900	
Wm. M. Bursen.....	Clerk.....	June 1, 1904	840	
Wm. H. Fisher.....	Tagger.....	June 25, 1903	720	
Jas. S. Oldham.....	do.....	Apr. 10, 1901	720	
New York, New Haven and Hartford R. R. Co.	Transportation, A. Hyde.			21.00
Cleveland, Cincinnati, Cleve- land, and St. Louis Rwy. Co.	Transportation, Fisher.			7.10
George Ditewig Yard Co.	Office expenses.			104.97
The Cincinnati Union Stock Yard Co.	Office rent.			180.00

a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

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New Telephone Co.		20.00
Armstrong Laundry		6.39
N. C. Sorenson		46.50
Boston, Mass.		
Thos. W. Carmichael	Inspector.....	1,250.00
Nathan K. Fegley	do.....	875.00
Albert Long	do.....	625.00
F. L. Stevens	do.....	1,475.00
Do.....	do.....	1,500
H. Q. Thompson	do.....	1,500
Henry E. Brown	do.....	1,500
E. A. Crossman	do.....	1,500
A. C. Fitzpatrick	do.....	1,400
Dani. S. Hays	do.....	1,500
Andrew Hyde	do.....	1,400
Milton T. Perry	do.....	1,500
Frank P. Sturges	Assistant inspector.....	1,375.00
Do.....	do.....	233.33
Henry W. Busied	Inspector.....	1,400.00
Wm. A. Baldwin	Clerk.....	1,400.00
W. E. Berry	Stock examiner.....	1,400.00
Chas. C. Conley	do.....	1,400.00
Wm. P. Cherrington	do.....	1,400.00
J. S. Kennedy	do.....	1,400.00
Frank P. Nowlan	do.....	1,400.00
George D. Warner	do.....	1,400.00
Do.....	Field stock examiner.....	1,400.00
Geo. F. Dabb	Tagger.....	1,400.00
Edw. J. Burns	do.....	1,400.00
Thos. F. Dolan	do.....	1,400.00
John L. Ewing	do.....	1,400.00
C. B. Hutchinson	do.....	1,400.00
Jas. G. Jeffrey	do.....	1,400.00
Jos. S. Jonison	do.....	1,400.00
D. L. McGrath	do.....	1,400.00
Merrill J. Ober	do.....	1,400.00
Timothy P. White	do.....	1,400.00
Effie L. Wescott	Microscopist.....	1,400.00
P. H. Mullowney	do.....	1,400.00
J. F. Ryder	do.....	1,400.00
Trustees of the Oliver Building	Traveling expenses.....	72.25
New England Telegraph and	Horse and buggy.....	360.00
Telephone Co.	Office expenses.....	20.41
Hooper, Lewis & Co.	Office rent.....	600.00
Marine Office and Towel Supply Co.	Telephone rental.....	171.39
	Stationery.....	36.69
	Towel service.....	8.00

^a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.		Miscellaneous.
				Per diem.	Per annum.	Miscellaneous items.	Salaries.	
MEAT INSPECTION—cont'd.								
<i>Buffalo, N. Y.</i>	Inspector.....		Mar. 1, 1902	\$1,400				
Harry M. Ball.....	do.....	Oct. 1, 1904		1,500			\$725.00	
Do.....	do.....	Jan. 1, 1904		1,500			1,375.00	
W. N. D. Bird.....	do.....	Apr. 15, 1903		1,500			1,250.00	
Benj. Howes.....	do.....	do.....		1,500			875.00	
J. A. Robinson.....	do.....	July 15, 1902		1,400				
H. R. Ryder.....	do.....	Apr. 16, 1903		1,500			820.83	
Do.....	do.....	do.....		1,500				
R. L. Voigenthal.....	do.....	Oct. 1, 1899		1,400			866.66	
Do.....	do.....	Aug. 1, 1904		1,500				
C. O. Durfee.....	do.....	June 15, 1903		1,400			150.00	
Wm. C. Woottton.....	Assistant inspector.....	Oct. 7, 1901		1,200			991.66	
Do.....	Inspector.....	Oct. 16, 1904		1,400				
Geo. H. Russell.....	Clerk.....	Jan. 1, 1900		900			900.00	
Jas. L. McGill.....	Tagger.....	Jan. 17, 1898		720			855.00	
Do.....	Stock examiner.....	Oct. 1, 1904		900				
H. L. Newton.....	do.....	Nov. 8, 1894		900			675.00	
Henry L. Rieman.....	do.....	Feb. 15, 1896		900			900.00	
Michl. Choinacki.....	Tagger.....	Apr. 16, 1894		720			720.00	
Geo. M. Dishong.....	do.....	Dec. 12, 1901		720			330.00	
Forrest T. Faulder.....	do.....	June 25, 1904		720			658.00	
A. G. Gjertson.....	do.....	Dec. 26, 1902		720			720.00	
Michl. Justinger.....	do.....	July 1, 1893		720			486.00	
John Mazurowski.....	do.....	July 10, 1893		720			544.00	
Joseph J. Rieman.....	do.....	June 1, 1905		720			60.00	
Geo. E. Wager.....	do.....	June 10, 1901		720			180.00	
James F. Hughes.....	Laborer.....	May 9, 1898		720			720.00	
Icl. Paso and Northeastern Rwy. Co.,							52.80	
B. P. Wende.....								
Do.....								
East Buffalo Live Stock Exchange Co.								
The Bell Telephone Co. of Buffalo,								
Fowler Mfg. Co. (I.r.d.)								
Chas. W. Page, Jr.								

\$400.00
19.33
240.00
33.00
13.63
5.70

Horse and buggy
Office expenses
Office rent...
Telephone rental
Towel service
Street-car fares

National Stock Yards, Ill.

Joseph B. Cleaney.....	Inspector.....	Oct. 1, 1902	1,633.33
Do.....	do.....	May 1, 1905	1,600 }
Robert L. Kelly.....	do.....	June 1, 1903	1,800 }
Roy E. Jackson.....	do.....	June 1, 1903	1,500 }
W. H. Meadors.....	do.....	June 1, 1903	1,400 }
S. C. Babson.....	Assistant inspector.....	Aug. 15, 1904	1,400
W. L. Beebe.....	do.....	Aug. 15, 1904	1,400
J. B. Boazman.....	do.....	Sept. 21, 1903	1,200
Patk. J. Brady.....	do.....	Sept. 21, 1903	1,200
W. L. Cherrington.....	do.....	May 16, 1904	1,200
W. L. Cottenham.....	do.....	Sept. 10, 1903	1,200
Wm. T. Conway.....	do.....	Aug. 15, 1904	1,200
John F. Fahley.....	do.....	Sept. 1, 1903	1,200
Wesley M. Goff.....	do.....	Apr. 9, 1904	1,200
Ralph Graham.....	do.....	Apr. 21, 1904	1,200
Marvin Gregory.....	do.....	Dee. 28, 1903	1,200
Harvey B. Hood.....	do.....	Apr. 1, 1904	1,200
Harry J. Hoyman.....	do.....	May 5, 1904	1,200
D. Arthur Hughes.....	do.....	Dec. 18, 1903	1,200
Thomas A. Jones.....	do.....	Apr. 25, 1904	1,200
Walter K. Lewis.....	do.....	June 15, 1903	1,200
John H. Lowe.....	do.....	Feb. 9, 1903	1,200
W. C. Mitchell.....	do.....	July 23, 1904	1,200
Michl. J. Murphy.....	do.....	Nov. 14, 1904	1,200
Arthur Paul.....	do.....	July 1, 1904	1,200
John B. Ready.....	do.....	Jan. 24, 1903	1,200
R. A. Stephens.....	do.....	July 1, 1904	1,200
Reginald Thomas.....	do.....	Jan. 23, 1904	1,200
R. H. Thomas.....	do.....	Apr. 15, 1903	1,200
Wm. S. Crawford.....	Clerk.....	Jan. 1, 1903	1,000 }
Chas. K. Hartwell.....	do.....	Mar. 15, 1904	840 }
Harry S. Newlove.....	Stock examiner.....	Oct. 1, 1903	900 }
Do.....	Clerk.....	Sept. 1, 1904	900 }
Arthur H. Bibb.....	Stock examiner.....	May 1, 1896	900 }
Do.....	Field stock examiner.....	Aug. 1, 1904	1,000 }
Adelbert G. Bibb.....	Stock examiner.....	Mar. 1, 1896	900 }
A. R. Bruton.....	do.....	Feb. 15, 1895	900 }
Henry M. Edsall.....	do.....	Feb. 1, 1904	900 }
Wm. T. Flynn.....	do.....	Jan. 1, 1894	900 }
Thos. H. Jones.....	do.....	May 16, 1904	900 }
Edw. C. Lanck.....	do.....	Sept. 1, 1902	900 }
Matt. O'Keefe.....	do.....	Aug. 1, 1892	900 }
Frank O'Neill.....	do.....	July 18, 1898	900 }
George Sutherland.....	do.....	Nov. 12, 1894	900 }
Wm. J. Doyle.....	do.....	Feb. 15, 1895	720 }
Do.....	Trigger.....	Mar. 1, 1904	900 }
H. F. R. Workheiser.....	Stock examiner.....	July 20, 1904	720 }
Do.....	Trigger.....	Apr. 1, 1905	900 }
D. R. Barnhart.....	Stock examiner.....	July 1, 1904	720 }
Curtis J. Bender.....	Trigger.....	Feb. 28, 1905	118.00
	do.....	8,1904	521.00

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.							
				Per diem.	Per annum.											
MEAT INSPECTION—cont'd.																
<i>National Stock Yards, Ill.—Continued.</i>																
Clement Bevelot.....	Tugger.....															
Jas. W. Brattan.....	do.....	Dec. 1, 1903	\$720			\$702.00										
F. A. Botteron.....	do.....	Feb. 1, 1905	720			300.00										
Edwin B. Bowser.....	do.....	Sept. 15, 1904	720			572.00										
G. R. Brewer.....	do.....	Sept. 20, 1904	720			260.00										
Wm. C. Bryant.....	do.....	May 16, 1904	720			100.00										
Henry Burke.....	do.....	Dec. 15, 1904	720			154.00										
Joseph G. Carr.....	do.....	July 6, 1903	720			212.00										
Frank G. Carpenter.....	do.....	Feb. 15, 1895	720			480.00										
Geo. T. Casper.....	do.....	May 10, 1904	720			710.00										
N. G. Cunningham.....	do.....	Mar. 19, 1902	720			180.00										
Chas. S. Edmundson.....	do.....	Oct. 12, 1904	720			458.00										
John A. Elliott.....	do.....	do.....	720			540.00										
L. S. A. Fenstermacher.....	do.....	Aug. 8, 1904	720			196.00										
Wm. Froyd.....	do.....	Sept. 10, 1904	720			282.00										
Geo. K. Grant.....	do.....	July 11, 1904	720			42.00										
Robert Gray.....	do.....	Aug. 20, 1903	720			298.00										
Joseph Hall.....	do.....	June 24, 1895	720			720.00										
Eoline R. Hand.....	do.....	Nov. 12, 1904	720			458.00										
Morton Hattaway.....	do.....	Aug. 24, 1904	720			156.00										
J. H. Hawkins.....	do.....	Mar. 2, 1903	720			240.00										
Paul C. Henry.....	do.....	Nov. 15, 1904	720			180.00										
W. S. Hileman.....	do.....	Mar. 14, 1904	720			240.00										
Jas. C. Keys.....	do.....	Apr. 18, 1904	720			480.00										
John S. Koen.....	do.....	Mar. 1, 1904	720			30.00										
P. U. C. Lauchlinor.....	do.....	Apr. 21, 1904	720			60.00										
Edw. S. Lentz.....	do.....	July 19, 1904	720			300.00										
John E. Potter.....	do.....	Oct. 20, 1904	720			84.00										
H. B. Raftensperger.....	do.....	July 2, 1903	720			136.00										
Geo. W. Rivers.....	do.....	Apr. 15, 1905	720			28.00										
John W. Robbins.....	do.....	Aug. 6, 1904	720			652.00										
Wm. H. Skinner.....	do.....	Aug. 15, 1904	720			634.00										
Alva Snyder.....	do.....	Dec. 2, 1901	720			120.00										
Joseph Sullivan.....	do.....	Oct. 5, 1903	720			446.00										
Flavus Weaver.....	do.....	Feb. 15, 1895	720			720.00										
Albert Willey.....	do.....	Feb. 1, 1905	720			300.00										
		Apr. 6, 1905	720			170.00										

St. Louis and San Francisco R.R. Co.	13.40	Transportation, A.G. Bibb	13.40
Chicago, Rock Island and Pacific Rwy. Co.	13.65	Transportation, Newlove	13.65
The Wabash R.R. Co.	11.25	Transportation, Bowser	11.25
St. Louis National Stock Yards.	\$600.00	Office rent...	\$600.00
B. Clancy & Sons Carpet Co.	174.81	Office expenses.	174.81
Kennard & Sons Carpet Co.	92.73	Linoleum...	92.73
Cox Luxton & Skinner Stationery Co.	74.75	Desk and chairs...	74.75
Gerritt-Comstock Furniture Co.	22.60	Table and stand...	22.60
Missouri Tent and Awning Co.	6.00	Storing awnings...	6.00
<i>Fort Worth, Tex.</i>			
J. L. Armstrong	Inspector	Apr. 15, 1903	1,500
J. Harry D. Paxson	do	May 1, 1903	1,500
Stephen L. Blount	Assistant inspector	Feb. 17, 1903	1,200
Valter C. Bower	do	Dee. 16, 1903	1,200
C. Heacock	do	July 23, 1904	1,200
W. C. Mitchell	do	Dec. 4, 1902	1,200
Elissha Myers	do	May 15, 1903	1,200
Irvin Owens	do	June 27, 1904	1,200
J. A. Peck	do	July 6, 1903	1,200
Dolph Ruth	do	July 1, 1904	1,200
Vm. A. Skinner	do	Nov. 16, 1904	1,200
J. R. Steffens	do	Jan. 1, 1904	1,200
Vm. D. Wright	do	Nov. 17, 1904	1,200
Dw. M. Smith	Clerk	June 1, 1903	900
Do	Stock examiner	Mar. 1, 1905	900
As. L. Gerrish	do	Aug. 1, 1900	900
S. H. Hackett	Tagger	Nov. 10, 1899	720
Do	Stock examiner	Nov. 16, 1904	900
E. Seymour R. Hoyt	Tagger	July 15, 1902	720
Do	Stock examiner	May 1, 1905	900
Frank E. Politit	Tagger	July 15, 1902	720
Do	Stock examiner	May 1, 1905	900
Albert S. Brown	Tagger	Dec. 21, 1903	720
Virgil L. Brown	do	Feb. 23, 1903	720
Vm. E. Chamberlin	do	Sept. 1, 1904	720
E. Collins	do	Jan. 20, 1905	720
Lauren Graham	do	Aug. 1, 1901	720
John R. Hand	do	Aug. 24, 1904	720
Heo. A. Hunter	do	May 1, 1905	720
Vm. Jenkins	do	Sept. 1, 1904	720
U. C. Lauchmor	do	July 19, 1904	720
W. Morrissey	do	Nov. 10, 1903	720
Heo. Pickett	do	May 16, 1904	720
John Potts	do	Sept. 9, 1903	720
John Schuman	do	July 10, 1902	720

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation. Per diem.	Miscellaneous items.	Disbursements.	Salaries.	Traveling.	Miscellaneous.
MEAT INSPECTION—cont'd.									
<i>Fort Worth, Tex.—Continued.</i>									
John W. Snell.....	Tagger.....	July 22, 1903		\$3720	Transportation, Armstrong, Transportation, Mitchell et al.	\$708.00		\$15.30	
Vandalia R. R. Co.....								38.80	
Missouri, Kansas and Texas Rwy. Co.									
<i>New York, N. Y.</i>									
Harry N. Waller.....	Inspector.....	Nov. 15, 1900		1,800				1,800.00	
Louis Abel.....	do.....	April 1, 1903		1,500				1,500.00	
John B. Hopper.....	do.....	Mar. 1, 1902		1,400				1,470.83	
Do.....	do.....	Oct. 1, 1904		1,500				1,500.00	
A. P. Martins.....	do.....	Nov. 1, 1903		1,500				1,400	
M. B. Miller.....	do.....	Mar. 1, 1902		1,500				1,475.00	
Do.....	do.....	Oct. 1, 1904		1,500				1,400	
J. J. Thackaberry.....	do.....	May 1, 1902		1,400				1,475.00	
Do.....	do.....	Oct. 1, 1904		1,500				1,400.00	
Wm. R. Hynes.....	do.....	June 1, 1903		1,400				1,400.00	
R. G. Lawton.....	do.....	Mar. 1, 1903		1,400				1,400.00	
J. D. De Ronde.....	Assistant inspector.....	Oct. 1, 1900		1,200				1,250.00	
Do.....	Inspector.....	Apr. 1, 1905		1,400				1,341.67	
Wm. Eekl.....	Assistant inspector.....	July 22, 1901		1,200				1,200.00	
Do.....	Inspector.....	Oct. 16, 1904		1,400				1,400.00	
Moses Isaac.....	Assistant inspector.....	Apr. 22, 1903		1,200				1,200.00	
Major Schofield.....	do.....	Dec. 16, 1901		1,200				1,200.00	
Stephen A. Selby.....	do.....	Jan. 1, 1904		1,200				1,200.00	
Walter H. Yingst.....	do.....	July 12, 1902		1,200				1,200.00	
Enil Balzer.....	Microscopist.....	June 17, 1901		1,400				1,400.00	
Eph. Dietrich.....	Clerk.....	July 1, 1900		1,200				1,200.00	
John L. Burgess.....	Stock examiner.....	Feb. 15, 1903		900				900	
Do.....	Field stock examiner.....	Sept. 1, 1904		1,000				1,000	
John C. Oren.....	Stock examiner.....	June 1, 1903		900				900	
Do.....	Field stock examiner.....	Aug. 16, 1904		1,000				1,000	
I. P. Sergeant.....	Stock examiner.....	Feb. 15, 1903		900				900	
Do.....	Field stock examiner.....	Sept. 1, 1904		1,000				1,000	
J. F. Butteriss.....	Stock examiner.....	Oct. 1, 1901		900				900	
John J. Haggerly.....	do.....	do.....		900				900	
Edw. P. Hogan.....	do.....	Jan. 1, 1904		900				900	

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

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Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements.	
				Per diem.	Per annum.	Miscellaneous items.	Salaries.
MEAT INSPECTION—cont'd.							
South St., Joseph, Mo.—Cont'd.							
Wm. E. Dey	Inspector	Apr. 1, 1904	\$1,400	\$1,166.66			
C. M. McFarland	do.	Sept. 16, 1903	1,400	1,400.00			
Chas. J. Morrow	do.	July 1, 1904	1,400	1,400.00			
Geo. D. Painter	do.	June 1, 1904	1,400	1,400.00			
Frisbie, T. Suit	do.	Jan. 13, 1902	1,200	1,166.66			
O. W. Every	Inspector	Apr. 1, 1905	1,400	1,250.00			
Do.	Assistant inspector	Aug. 5, 1901	1,200	1,200			
R. L. McClelland	Inspector	Sept. 1, 1904	1,400	1,366.67			
Do.	Assistant inspector	July 1, 1904	1,200	100.00			
Edward C. Carle	do.	May 16, 1905	1,200	153.33			
Leroy M. Chambers	do.	May 21, 1904	1,200	1,200.00			
Oscar A. Diller	do.	June 30, 1905	1,200	1,200.00			
C. L. Elliott	do.	Jan. 27, 1903	1,200	1,200.00			
A. L. Farley	do.	May 23, 1904	1,200	1,200.00			
Logan B. Huff	do.	Apr. 9, 1904	1,200	80.00			
W. R. O'Neal	Henry Marshall	May 1, 1905	1,200	150.00			
A. N. Reber	do.	Oct. 1, 1904	1,200	100.00			
W. E. Wein	do.	July 6, 1903	1,200	83.67			
P. P. Druckemiller	Clerk	Mar. 9, 1902	1,200	1,200.00			
O. L. Leighton	Tagger	Mar. 1, 1903	900	685.00			
Do.	Clerk	Nov. 1, 1901	720	720			
Phelps Payne	do.	July 16, 1904	840	795.00			
W. L. Upton	Field stock examiner	July 1, 1900	1,000	166.67			
Do.	Stock examiner	Feb. 18, 1904	1,000	300.00			
Frank A. Ewing	do.	Dec. 1, 1904	900	900.00			
Robt. G. Knipple	do.	Jan. 1, 1894	900	900.00			
Henry M. Lint	do.	Mar. 1, 1904	900	770.00			
Wm. E. Mowrer	do.	June 25, 1902	900	900.00			
S. C. Shale	do.	Feb. 1, 1904	900	900.00			
R. M. Mahana	do.	June 1, 1893	720	780.00			
B. E. Newman	Tagger	Mar. 1, 1906	900	900.00			
Do.	Stock examiner	Aug. 1, 1901	720	420.00			
John Summers	Tagger	Feb. 15, 1904	900	840.00			
Otto Augspurger	Stock examiner	Apr. 1, 1904	840	840.00			
	Tagger	Apr. 20, 1904	720	720.00			

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Edw. P. Hogan.....	do.....	Sept. 1, 1893	225.00	
John Purcell, Jr.....	Tagger.....	July 17, 1893	720.00	
Thomas Shea.....	do.....	720.00		117.05
Julius Huisken.....	Office expenses.....			
H. H. George.....	Inspector.....			
Herbert Caldwell.....	do.....			
Bert J. Cady.....	Assistant inspector.....			
Geo. W. Knorr.....	do.....			
A. T. Knowles.....	do.....			
Albert S. Harris.....	Clerk.....			
D. R. Alton.....	Stock examiner.....			
Jas. L. King.....	do.....			
Jos. M. Turner.....	Feb., 1, 1904			
Geo. F. Babbs.....	Mar., 10, 1896			
	Aug., 12, 1903			
John W. Brown.....	Oct., 9, 1903			
Ino. A. Bushong.....	Mar., 9, 1904			
Leon Durham.....	May 7, 1902			
Wm. B. Ellison.....	Oct., 5, 1903			
	do.....			
Chas. N. Jordan.....	Nov., 10, 1904			
New York, New Haven and Hartford R. R. Co.....				
H. H. George.....				
Bourbon Stock Yard Co.....				
<i>Louisville, Ky.</i>				
Jos. Joshua Miller.....	Inspector.....			
F. T. Suit.....	do.....			
H. J. Hoyman.....	Assistant inspector.....			
Jno. V. Jewell.....	do.....			
Wm. H. Lytle.....	do.....			
Abraham Matader.....	Stock examiner.....			
T. B. Mahoney.....	do.....			
Eustace T. Baker.....	Tagger.....			
Geo. C. Fletcher.....	do.....			
Frank W. Orme.....	do.....			
F. H. Hoswell.....	do.....			
Chicago, Rock Island and Pacific Rwy. Co.....				
<i>Ottumwa, Iowa.</i>				
Jos. Joshua Miller.....	Inspector.....			
F. T. Suit.....	do.....			
H. J. Hoyman.....	June 1, 1904			
Jno. V. Jewell.....	May 10, 1904			
Wm. H. Lytle.....	Nov. 1, 1904			
Abraham Matader.....	Nov. 28, 1904			
T. B. Mahoney.....	Jan. 4, 1904			
Eustace T. Baker.....	do.....			
Geo. C. Fletcher.....	do.....			
Frank W. Orme.....	do.....			
F. H. Hoswell.....	do.....			
Chicago, Rock Island and Pacific Rwy. Co.....				
<i>Philadelphia, Pa.</i>				
Chas. A. Schaufler.....	Inspector.....			
Richd. W. Hewett.....	do.....			
Do.....	Mar., 1, 1902			
Wm. R. Andress.....	Sept. 1, 1904			
Willis G. Benner.....	do.....			
Chas. J. Bigley.....	Assistant inspector.....			
	Clerk.....			

a Per month.

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Compensation.		Disbursements.		Traveling.	Miscellaneous.
			Services ended.	Per diem.	Per annum.	Miscellaneous items.		
MEAT INSPECTION—cont'd.								
<i>Philadelphia, Pa.—Cont'd.</i>								
Morton Magee.....	Stock examiner.....	Feb. 15, 1904		\$900				
A. N. Pepperman.....	do.....	Oct. 1, 1901		900				
Wm. T. Tippett.....	do.....	Mar. 13, 1903		900				
Geo. B. Wright.....	do.....	Oct. 1, 1901		900				
E. E. Carlton.....	do.....	Jan. 1, 1897		900				
C. A. Schaufler.....	Tagger.....	Mar. 6, 1901		720				
Do.....	The Bell Telephone Co.....					Horse and buggy Office expenses Telephone rental.....		
<i>Austin, Minn.</i>								
M. O. Anderson.....	Inspector.....	Apr. 1, 1903		1,500				
John Mumma.....	Tagger.....	Feb. 2, 1903		720				
Do.....	Clerk.....	Apr. 1, 1905		840				
Bred J. McKane.....	Tagger.....	Mar. 16, 1905		720				
<i>Sioux City, Iowa.</i>								
Geo. A. Johnson.....	Inspector.....	June 1, 1904		1,600				
Henry Roome.....	do.....	Sept. 15, 1902		1,400				
Do.....	do.....	Apr. 16, 1905		1,500				
Harry B. Tremain.....	Assistant inspector.....	Aug. 5, 1901		1,200				
Do.....	Inspector.....	Apr. 1, 1905		1,400				
Alfred B. Hollis.....	Assistant inspector.....	July 1, 1903		1,200				
Thos. A. Mable.....	do.....	Sept. 1, 1904		1,200				
Robt. C. Musser.....	do.....	Nov. 15, 1904		1,200				
Chas. A. Rapp.....	do.....	July 23, 1904		1,200				
Reginald Thomas.....	do.....	July 23, 1904		1,200				
Geo. W. Clark.....	Clerk.....	Mar. 1, 1898		900				
Chas. J. Chamberlin.....	Stock examiner.....	Jan. 1, 1899		900				
Myron H. Kling.....	do.....	Jan. 1, 1903		900				
Donald McDonald.....	do.....	Feb. 1, 1896		900				
A. L. Faunce.....	do.....	Mar. 16, 1901		900				
D. A. Winnie.....	do.....	Jan. 1, 1899		900				
K. S. Bagshaw.....	do.....	Dec. 17, 1904		720				
Wm. C. Bryant.....	Tagger.....	Dec. 15, 1904		720				
	do.....							

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
				Per diem.	Per annum.				
MEAT INSPECTION—cont'd.									
<i>St. Louis, Mo.—Continued.</i>									
A. A. Mahoney	Stock examiner	Feb. 1, 1904			\$900				
Geo. Markert	do	July 18, 1893			900				\$900.00
David W. Reid	Tagger	Aug. 18, 1902			720				900.00
P. C. Covington	do	Oct. 1, 1904			720				720.00
Geo. Grubbs	do	Aug. 1, 1904			720				540.00
Boline R. Hand	do	Aug. 24, 1904			720				658.00
L. C. Hagemann	do	June 24, 1903			720				24.00
Wm. H. Hyde	do	Feb. 12, 1904			720				720.00
R. T. McNaughton	do	Dec. 4, 1902			720				470.00
Wm. H. Skinner	do	July 1, 1904			720				60.00
J. J. Broughan	Horse and buggy								
Independent Stock Yards Co.	Office rent								
<i>Bloomington, Ill.</i>									
Fredk. Braghton	Inspector	Mar. 20, 1903			1,500				
Chas. Vandervoort	Tagger	Apr. 1, 1904			840				
<i>South St. Paul, Minn.</i>									
F. D. Ketchum	Inspector	June 1, 1904				1,600			
Geo. T. Irons	do	July 1, 1904				1,500			
D. G. Shumway	do	do				1,500			
R. H. Harrison	do	Feb. 1, 1901				1,400			
Do.	do	do				1,500			
R. W. Hewett	do	Aug. 1, 1904				1,400			
Do.	do	Mar. 1, 1902				1,400			
Rolla N. Mead	do	Sept. 1, 1904				1,500			
J. J. L. Heldring	Assistant inspector	Apr. 1, 1903				1,400			
Andrew B. Niven	do	Dec. 7, 1903				1,200			
C. W. von Dorn	Clerk	Oct. 15, 1902				1,200			
John Mumlin	do	Mar. 1, 1904				900			
Walter A. Forbes	Stock examiner	Apr. 1, 1905				840			
John Jacobson	do	May 1, 1904				900			
Thos. M. Libby	do	Jan. 1, 1899				900			
M. E. Humphrey	Tagger	Oct. 1, 1895				900			
Do.	Stock examiner	Nov. 18, 1901				720			
		Dec. 1, 1904				900			

Disbursements.

Salaries.

Traveling.

Miscellaneous.

18.60

Scott S. Bryant.....	Tagger.....	Oct. 1, 1904	720		540.00
John R. Durkee.....	do	Sept. 8, 1903	720		720.00
Wm. A. Edwards.....	do	Sept. 1, 1904	720		60.00
Frank Hendricks.....	do	Sept. 20, 1902	720		720.00
Aaron F. Kellner.....	do	Oct. 24, 1904	492.00		
Philadelphia and Reading Rwy. Co.	Transportation, Hewett			26.02	
Minnesota, St. Paul and Sault Ste. Marie Rwy. Co.	Transportation, Heldring			6.47	
F. D. Ketchum.....	Horse and buggy.....			300.00	
<i>Seattle, Wash.</i>					
O. B. Hess.....	Inspector.....	Sept. 1, 1901	1,600		1,569.99
Chas. F. Colison.....	Assistant inspector.....	June 12, 1905	1,200		66.33
J. C. Henderson.....	do *	Apr. 1, 1904	1,200		900.00
W. M. Foster.....	Stock examiner.....	July 16, 1904	900		712.50
Istiah H. Bailey.....	Tagger.....	Sept. 8, 1904	720		280.00
Don H. Bark.....	do	Oct. 1, 1904	720		540.00
M. J. Rahey.....	do	Dec. 15, 1902	720		720.00
R. C. Shepherd.....	do	Jan. 19, 1903	720		420.00
J. L. Workman.....	do	Dec. 4, 1903	720		108.00
M. M. Welch.....	Laborer.....	Aug. 25, 1904	\$2.00		48.00
O. B. Hess.....				80.45	
<i>Denver, Colo.</i>					
Albert J. Payne.....	Inspector.....	Jan. 18, 1904	1,600		266.67
Chas. H. Zink.....	do	Feb. 1, 1900	1,600		933.33
H. B. Chaney.....	do	Nov. 1, 1903	1,500		1,500.00
Walter E. Howe.....	do	Dec. 1, 1903	1,500		375.00
A. W. Swedberg.....	do	Jan. 1, 1903	1,400		829.15
Do.	do	May 16, 1905	1,500		845.00
Thos. W. Oshel.....	Stock examiner.....	July 1, 1897	900		900.00
H. V. Perschil.....	do	Apr. 1, 1904	900		900.00
F. L. Simpson.....	do	June 27, 1895	720		736.00
F. H. Herlinger.....	Tagger.....	Nov. 1, 1901	900		480.00
Do.	Stock examiner.....	May 1, 1905	720		60.00
Chas. M. Coulter.....	Tagger.....	Oct. 1, 1904	720		11.05
N. G. Cunningham.....	do	Oct. 12, 1904	720		17.00
Union Pacific R. R. Co.	The Denver Union Stock Yards Co.			168.00	
The Cooper & Powell Furniture Co.	Transportation, Swedberg				
The Colorado Telephone Co.	Desks, chairs, etc.				72.30
Posting and Distributing Co.	Telephone rental.				56.80
	Door sign.....				3.00
<i>Portland, Ore.</i>					
Clarence Loveberry.....	Inspector.....	Dec. 1, 1902			1,400
Do.	do	May 1, 1905			1,500
Robt. E. Holm.....	Assistant inspector.....	Dec. 1, 1904			1,200
					1,397.21
					700.00

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San Francisco, Cal.

Geo. S. Baker.....	Inspector.....	Apr. 1, 1904	1,800	1,800.00	168.60
Jos. S. Keane.....	Assistant inspector.....	May 11, 1903	1,200	1,166.67	
John J. Borden.....	Stock examiner.....	Mar. 2, 1896	900	898.75	
A. McSweeney.....	do.....	Feb. 15, 1896	900	655.00	
John E. Munn.....	do.....	Jan. 1, 1897	900	900.00	
T. J. Alexander.....	Tagger.....	Aug. 1, 1897	720	142.00	

Nebraska City, Nebr.

W. H. Gibbs.....	Inspector.....	Sept. 1, 1893	1,200	1,200.00	
F. A. Dammann.....	Tagger.....	June 10, 1895	720	632.00	
Ben E. Newman.....	do.....	Aug. 1, 1901	720	367.50	
Do.....	Stock examiner.....	Feb. 15, 1905	900	5.35	
F. W. Lawson.....	Laborer.....		2.00	30.00	

Tacoma, Wash.

E. C. Joss.....	Assistant inspector.....	Oct. 7, 1902	1,200	500.00	9.85
I. H. Bailey.....	Tagger.....	Sept. 8, 1904	720	300.00	3.15
R. C. Shenkler.....	do.....	Jan. 19, 1903	720	300.00	3.33
O. B. Hess.....					

Davenport, Iowa.

Eli L. Bertram.....	Inspector.....	June 1, 1904	1,500	1,500.00	2.63
Geo. C. Burke.....	Stock examiner.....	Jan. 1, 1894	900	900.00	
John Trainer.....	do.....	June 27, 1895	900	75.00	

Nashville, Tenn.

W. B. Lincoln.....	Inspector.....	May 1, 1901	1,400	875.00	21.46
Do.....	do.....	Oct. 1, 1904	1,600	816.67	
Geo. W. Browning.....	Stock examiner.....	Sept. 16, 1901	1,400	140.00	
Geo. M. Bettis.....	Clerk.....	May 1, 1903	840	420.00	
Edw. S. Lentz.....	Tagger.....	Jan. 31, 1905	720	25.80	
Galveston, Harrisburg and		Oct. 20, 1904			
San Antonio Rwy. Co.....					
Louisville and Nashville R. Co.					

Pittsburg, Pa.

Wm. O. McHugh.....	Assistant inspector.....	May 10, 1902	1,200	1,025.00	
Do.....	do.....	May 16, 1905	1,400	1,250.00	
N. C. Powell.....	Assistant inspector.....	Jan. 2, 1902	1,200	135.00	
Do.....	do.....	Apr. 1, 1905	1,400	716.00	
H. L. Boiliger.....	Stock examiner.....	Apr. 15, 1903	900	120.00	
Geo. W. Teter.....	Tagger.....	July 1, 1904	720	15.20	
R. W. Culbert.....	do.....	Sept. 18, 1903	720	90.00	
F. W. Ainsworth.....					
Pittsburg Union Stock Yards Co.,	Office expenses.....				
	Office rent.....				

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Disbursements:	
				Per diem.	Per annum.	Miscellaneous items.	Salaries.
MEAT INSPECTION—cont'd.							
Brightwood, Mass.							
W. J. Murphy.....	Inspector.....	Apr. 1, 1903		\$1,500		\$1,500.00	\$14.60
A. C. Chapin.....	Stock examiner.....	Mar. 1, 1903		900		900.00	
Chas. E. Pearce.....	Tagger.....	Oct. 1, 1904		720		540.00	
Quincy, Ill.							
Jas. S. Kelly.....	Inspector.....	Apr. 1, 1903		1,500		1,500.00	
Jno. E. Feighner.....	Stock Examiner.....	Apr. 15, 1903		900		900.00	
John E. Potter.....	Tagger.....	July 2, 1903		720		414.00	
New Haven, Conn.							
N. K. Fegley.....	Inspector.....	Apr. 1, 1903		1,500		625.00	3.45
Albert Long.....	do.....	June 1, 1904		1,500		875.00	2.55
Henry Leland.....	Stock examiner.....	Jan. 1, 1902		900		900.00	
Jno. L. Atchison.....	Tagger.....	July 1, 1900		720		720.00	
Des Moines, Iowa.							
A. B. Morse.....	Inspector.....	Mar. 20, 1903		1,500		1,500.00	14.35
B. R. Rogers.....	do.....	June 1, 1903		1,400		175.00	
A. C. Bennett.....	Tagger.....	May 6, 1905		720		612.00	
S. C. Stubbs.....	do.....	Sept. 12, 1904		720		578.00	
John I. Bagnall.....	Laborer.....			\$2.50		322.50	
Topeka, Kans.							
T. L. De Wolf.....	Inspector.....	Apr. 1, 1903		1,500		1,500.00	2.25
Wm. E. Hall.....	Stock examiner.....	do.....		900		900.00	
E. E. Laird.....	Tagger.....	Sept. 15, 1897		720		720.00	
Newark, N.J.							
John Wm. Fink.....	Inspector.....	June 1, 1904				1,500	875.00

Marshalltown, Iowa.

J. O. F. Price.....	do	Aug. 1, 1902	1,400	1,475.00
Do.....	do	Oct. 1, 1904	1,500	280.00
Jean I. Nelson.....	Tagger	Sept. 26, 1902	720	5.50
Do.....	do	Nov. 22, 1904	840	
R. Y. Marson.....	do	June 1, 1903	720	720.00
Chic. & N.W. Rwy. Co.				8.70

Waterloo, Iowa.

Thos. W. Scott.....	Inspector	Apr. 1, 1903	1,400	1,416.66
Do.....	do	May 1, 1905	1,500	900.00
A. C. Akin.....	Stock examiner	July 16, 1903	900	
				14.70

Worcester, Mass.

Edw. P. Dowd.....	Inspector	Mar. 25, 1903	1,500	1,500.00
P. J. McPartland.....	Tagger	Dec. 19, 1901.	720	720.00
				2.75

San Diego, Cal.

Robert Darling.....	Inspector	Apr. 1, 1903	1,500	1,500.00
Walter D. Benton.....	Stock examiner	Feb. 1, 1901	900	900.00
Robert Darling.....				300.00

Mason City, Iowa.

Robert Jay.....	Inspector	Apr. 1, 1904	1,400	1,400.00
Henry Roome.....				6.75
Chic. & N.W.				27.20
Kirney & Burns.....				10.02
				39.50

Miscellaneous.

R. P. Steedman.....	Inspector	Apr. 1, 1903	1,800	1,899.99
Do.....	do	Jan. 1, 1905	2,000	1,800.00
U. G. Houck.....	do	Apr. 1, 1903	1,800	1,233.04
S. R. Burch.....				34.05
R. W. Hickman.....				168.45
A. E. Behnke.....				198.52
The Penna. R. R. Co.....				89.49
The B. & O. R. R. Co.				1.65
N. Y. C. & H. R. R. Co.				55.00
C., C. & St. L. Rwy. Co.				
Chic. & N.W. Rwy. Co.				14.00
C., R. I. & P. Rwy. Co.				20.73
C., B. & Q. Rwy. Co.				3.58
L. S. & M. So. Rwy. Co.				26.33
Chic. & Alton Rwy. Co.				54.66
Boston & Me. R. R. Co.				10.15
				38.55
				37.27
				13.10
				44.08
				27.00
				11.25
				5.73
				5.00
				.78

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation. Per diem. Per annum.	Miscellaneous items.	Salaries.	Traveling.	Miscel- laneous.
MEAT INSPECTION—cont'd.								
<i>Miscellaneous—Continued.</i>								
Mo., Kans. & Tex. Rwy. Co.								
Union Pacific R. R. Co.								
The Mo. Pacific Rwy. Co.								
N. Y., N. H. & H. R. R. Co.								
C. M. & St. P. Rwy. Co.								
Chic., Gr. W. Rwy. Co.								
P. C. C. & St. L. Rwy. Co.								
The Del. L. & W. R. R. Co.								
Den. & Rio G. R. R. Co.								
B. R. & Pitts. Rwy. Co.								
Chic. & E. Ill. R. R. Co.								
The A. T. & S. Fe Rwy. Co.								
The Tex. & Pac. Rwy. Co.								
St. L. & San F. R. R. Co.								
Tenn. H. & Ind. R. R. Co.								
C. St. P., M. & O. Rwy. Co.								
C., R. I. & G. Rwy. Co.								
Ill. Centl. R. R. Co.								
C., H. & Day. Rwy. Co.								
Gd. T. Rwy. of Canada.								
Erie R. R. Co.								
Star Union Line.								
Ches. & Ohio Rwy. Co.								
Wabash R. R. Co.								
Mich. Centl. R. R. Co.								
H. & Tex. Centl. R. R. Co.								
The Southern Pac. Rwy. Co.								
Geo. E. Howard.								
E. J. Brooks & Co.								
American Tag Co.								
American Rwy. Supply Co.								
Chadwick Copying Book Co.								
Church & Stephenson.								
Lumber.								

1, \$25.25
200.52
101.73
245.44
135.00

1, \$25.25
"Condemned" tags...
"Rejected" tags...
Copying books...
Lumber...

Statement of disbursements from the appropriation for general expenses, Bureau of Animal Industry, for the fiscal year ended June 30, 1905—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellaneous items.	Traveling.	Miscellane-
				Per diem.	Per annum.			
MICROSCOPIC INSPECTION—continued.								
Danl. D. Tierney	Tagger	Sept. 19, 1904	Oct. 6, 1904	\$720				
Albert Willey	do	July 25, 1898	Oct. 6, 1898	720				
Maud S. Armstrong	Assistant microscopist	Apr. 6, 1898	do	600				
May E. Baloliek	do	Oct. 6, 1898	do	600				
Ida Bannister	do	Sept. 1, 1893	do	600				
Katie Barrow	do	Nov. 1, 1892	do	600				
Mary K. Barry	do	May 1, 1895	do	600				
Addie E. Benneson	do	April 23, 1894	do	600				
Malvina A. Bixby	do	Aug. 20, 1897	do	600				
Estella C. Bonds	do	April 6, 1898	do	600				
Veteria E. Boyd	do	Feb. 17, 1897	do	600				
Kate II. Brady	do	Dec. 1, 1892	do	600				
Martha E. Brandt	do	Dec. 7, 1896	do	600				
Martha A. Brittan	do	May 16, 1898	do	600				
Laura D. Burris	do	June 22, 1891	do	600				
Katie A. Casey	do	Aug. 15, 1892	do	600				
Mary B. Clark	do	June 21, 1897	do	600				
Anna F. Clarke	do	Sept. 1, 1893	do	600				
M. J. Council	do	do	do	600				
Nora Conway	do	Oct. 16, 1892	do	600				
Tresey Cowan	do	May 1, 1898	do	600				
Lillie M. Crowell	do	Feb. 1, 1894	do	600				
Nellie E. Damon	do	Feb. 3, 1894	do	600				
Nina B. Davis	do	Jan. 3, 1898	do	600				
Della Dietz	do	Oct. 11, 1898	do	600				
Bertha L. Diller	do	Sept. 1, 1893	do	600				
Ella B. Earle	do	Mar. 25, 1895	do	600				
Elliz. K. Eckert	do	Mar. 16, 1895	do	600				
Do	Clerk	Oct. 15, 1904	Feb. 8, 1905	600				
Margret Enright	Assistant microscopist	do	do	600				
Maudha Evanson	do	Sept. 11, 1893	do	600				
Mary P. Goggan	do	do	do	600				
Mary Gorman	do	Aug. 9, 1897	do	600				
Charlotte R. Grosse	do	Aug. 26, 1891	do	600				
Jennie E. Hatch	do	Oct. 11, 1898	do	600				
Bessie M. Healy	do	Sep. 7, 1897	do	600				
		do	do	600				

Tillie Heil...	do	476.68
Jessie Hickman...	do	476.68
Clara E. Holmes...	do	26.67
Nellie Holland...	do	71.67
May E. Hothchiss...	do	6.75
Cora A. Houseman...	do	470.01
Myrtle A. Hunt...	do	600
Mary Hurley...	do	600
Sarah A. Ingram...	do	600
Louise Johnson...	do	600
Mae B. Joslin...	do	600
Mary E. Kean...	do	600
Harriet F. King...	do	600
Alice Lawson...	do	600
Anastasia Lawrence...	do	600
Mary E. Leahy...	do	600
Kate R. Luce...	do	600
Rosanna McDonnell...	do	600
L. G. McGlasson...	do	600
Amy T. Mae...	do	600
Flora F. Miller...	do	600
Mamie F. Murray...	do	600
Eliz. L. Neill...	do	600
Annie Nicolai...	do	600
Agnes B. O'Brien...	do	600
Bessie D. Ogden...	do	600
Jessie G. Odgen...	do	600
Louise C. Olson...	do	600
Grace Puette...	do	600
Anna M. Quinn...	do	600
Agnes B. Rieder...	do	600
Sarah A. Riley...	do	600
Belle Ritter...	do	600
Lila Robinson...	do	600
Josephine Rockwell...	do	600
Mabel Rockwell...	do	600
Blanche Roy...	do	600
Blanche Rutledge...	do	600
Nellie A. Ryan...	do	600
Hannah Scanlan...	do	600
Ella Schwalm...	do	600
Mae Sears...	do	600
Mae H. Shaw...	do	600
Mary Sheehan...	do	439.18
Nellie Sheehan...	do	405.01
Jennie M. Shufeldt...	do	133.33
Mary Somers...	do	468.34
Daisy Stewart...	do	470.01
W. O. Sutherland...	do	470.01
Maggie Taylor...	do	81.66
II. Inez Temple...	do	276.42
Katherine Tully...	do	470.01
Jan. 3, 1898	do	600
Dec. 20, 1897	do	600
Apr. 18, 1898	do	600
Nov. 8, 1894	do	600
Mar. 1, 1895	do	600
June 10, 1898	do	600
Jan. 3, 1898	do	600
Dec. 1, 1893	do	600
Apr. 11, 1898	do	600
Jan. 3, 1898	do	600
Aug. 20, 1897	do	600
Sept. 1, 1893	do	600
Feb. 21, 1898	do	600
Aug. 9, 1897	do	600
Sept. 7, 1897	do	600
Sept. 1, 1893	do	600
Aug. 17, 1897	do	600
Sept. 1, 1898	do	600
Aug. 6, 1898	do	600
May 1, 1892	do	600
Jan. 3, 1898	do	600
Oct. 6, 1896	do	600
Sept. 1, 1893	do	600
Jan. 3, 1898	do	600
Sept. 16, 1891	do	600
Aug. 9, 1897	do	600
Feb. 24, 1905	do	600
Mar. 15, 1895	do	600
Aug. 6, 1894	do	600
Jan. 3, 1898	do	600
June 15, 1898	do	600
Oct. 1, 1894	do	600
Dec. 20, 1897	do	600
Feb. 1, 1894	do	600
Dec. 1, 1894	do	600
Feb. 1, 1894	do	600
Jan. 3, 1898	do	600
Oct. 1, 1891	do	600
Dec. 1, 1894	do	600
Jan. 1, 1893	do	600
Oct. 10, 1892	do	600
Apr. 1, 1892	do	600
Jan. 3, 1898	do	600
Apr. 1, 1898	do	600
Dec. 7, 1896	do	600
do	do	600
Oct. 6, 1898	do	600
Dec. 1, 1894	do	600
Feb. 16, 1895	do	600
Feb. 1, 1898	do	600
Feb. 1, 1894	do	600
Dec. 15, 1894	do	600
Dec. 1, 1894	do	600
Dec. 1, 1895	do	600

Statement of disbursements from emergency appropriation, Bureau of Animal Industry.

Miscellaneous.

J. Brooks & Co....
o. E. Howard.....
merican Tag Co.
mer H. Catlin & Co
c. & N. W. Rwy. Co

• eradicate contagious diseases of animals.

a Per month.

Statement of disbursements from emergency appropriation, Bureau of Animal Industry—Continued.

Thomas White	do	Sept. 1, 1902	1,400	553.65
Do.	do	Sept. 1, 1904	1,500	125.00
Alex. F. Wright	do	Apr. 1, 1904	1,500	11.75
W. W. Worcester	do	Sept. 1, 1902	1,400	858.33
W. S. Cass	do	Sept. 1, 1904	1,500	330.75
N. V. Boyce	do	June 1, 1903	1,400	190.65
G. W. Browning	do	Sept. 16, 1901	1,400	350.00
Emerson J. Cary	do	June 1, 1903	1,400	583.33
H. J. Hancock	do	Sept. 1, 1898	1,400	116.66
W. H. Collins	do	Aug. 31, 1904	1,400	88.75
W. F. Crewe	do	Sept. 1, 1903	1,400	7.55
Do.	Assistant inspector	Sept. 25, 1900	1,200	116.66
Inspector	Aug. 1, 1904	1,400	100.00	81.50
Chas. W. Doming	do	Aug. 1, 1904	1,400	100.00
E. J. Foreman	do	May 16, 1903	1,400	71.65
H. J. Hancock	do	Mar. 16, 1903	1,400	816.66
W. H. Hurst	do	Dec. 16, 1903	1,400	783.55
Do.	Assistant inspector	Jan. 24, 1903	1,200	700.00
Inspector	Sept. 1, 1904	1,400	316.67	233.33
Marion Imes	do	Feb. 1, 1904	1,400	237.50
W. L. Johnson	do	Oct. 1, 1903	1,400	816.66
Wm. F. Jones	do	Jan. 16, 1904	1,400	241.80
W. M. MacKellar	do	June 1, 1903	1,400	816.66
H. R. McNally	do	June 16, 1904	1,400	816.66
F. E. Murray	do	June 1, 1903	1,400	816.66
L. A. Nutting	do	June 1, 1904	1,400	816.66
Theo. S. Rich	do	Nov. 1, 1903	1,400	816.66
Jno. M. Simpson	do	May 23, 1901	1,200	247.20
Do.	Assistant inspector	Aug. 1, 1904	1,400	816.66
Ed. R. Allen	do	Sept. 22, 1901	1,200	816.66
A. L. Bailey	do	Apr. 1, 1904	1,000	350.00
Do.	Field stock examiner	July 15, 1904	1,200	181.05
C. R. Bohler	do	June 1, 1904	1,200	116.66
W. J. Bracken	do	June 1, 1903	1,200	116.66
Wm. J. Butler	do	Feb. 20, 1904	1,200	100.00
L. S. Campbell	do	Apr. 1, 1904	1,000	100.00
B. C. Davis	do	July 15, 1904	1,200	292.22
T. J. Bagie	do	June 6, 1904	1,200	222.10
Jas. E. Ellis	do	Mar. 20, 1903	1,200	100.00
Fred Evans	do	June 23, 1902	1,200	100.00
Robt. J. Foster	do	Oct. 1, 1901	1,200	70.90
Frank J. Glynn	do	Apr. 22, 1903	1,200	100.00
Wm. Hamilton	do	July 12, 1904	1,200	34.50
C. C. Heacock	do	Dec. 1, 1903	1,200	663.33
Leslie M. Hurt	do	July 1, 1904	1,200	272.25
P. L. Kampschmidt	do	Sept. 30, 1904	1,200	526.67
Wm. H. Lytle	do	Aug. 4, 1903	1,200	124.55
S. W. McClure	do	Jan. 23, 1903	1,200	113.33
W. H. Martin	do	Oct. 1, 1901	1,200	38.25
Orrin W. Noyes	do	Dec. 31, 1904	1,200	70.00
J. P. O'Connor	do	July 1, 1904	1,200	96.45
Frank Parker	do	Dec. 18, 1903	1,200	300.00
X. I. Richmond	do	Oct. 22, 1900	1,200	303.36
	May 1, 1902	1,200	156.67	400.00
		1,200	71.25	71.25
		1,200	619.95	700.00
		1,200	152.90	400.00
		1,200	700.00	498.55
		1,200	126.40	350.00

Statement of disbursements from emergency appropriation, Bureau of Animal Industry—Continued.

Name.	Designation.	Appointed.	Services ended.	Compensation.		Miscellaneous items.	Salaries.	Traveling.	Miscellaneous.
				Per diem.	Per annum.				
<i>To eradicate contagious diseases of animals—Cont'd.</i>									
E. S. Roberts	Assistant inspector	Sept. 1, 1904	Apr. 15, 1905	\$1,200			\$486.67	\$67.45	
W. Schumacher	do	May 1, 1903		1,200			200.00	161.45	
Wm. A. Skinner	do	July 1, 1904		1,200			300.00	315.60	
O. A. Stingley	do	Sept. 10, 1902		1,200			86.67	56.95	
Iaomer West	do	June 15, 1903		1,200			700.00	429.95	
C. J. Young	do	May 5, 1904		1,200			573.33	499.45	
A. L. Simons	Special agent	July 11, 1904		1,000			588.33	508.20	
N. R. Adams	Field stock examiner	May 1, 1904		1,000			458.33	529.35	
Do	Stock examiner	Dec. 16, 1904		1,000			458.33	529.35	
H. E. Armstrong	Field stock examiner	Mar. 1, 1904		1,000			583.33	768.96	
A. H. Bibb	Stock examiner	Aug. 1, 1896		900			500.00	311.69	
Do	Field stock examiner	Aug. 1, 1904		1,000			583.33	193.40	
Chas. A. Brown	do	July 1, 1903		1,000			280.54	88.55	
Oliver W. Byrd	Stock examiner	Aug. 1, 1898		900					
Do	Field stock examiner	Aug. 15, 1904		1,000					
Do	Stock examiner	Dec. 1, 1904		900					
Colin Campbell	Special field stock examiner	do		1,000			166.67	203.45	
R. C. Cooley	Field stock examiner	July 23, 1904		1,000			525.00	628.90	
Wm. R. Dennis	do	July 1, 1893		1,000			383.33	556.86	
J. D. Freeman	Stock examiner	Oct. 1, 1895		900			358.33	315.50	
Do	Field stock examiner	Sept. 7, 1904		1,000			583.33		
S. D. Gillett	Stock examiner	Jan. 16, 1903		900			550.00		
Washington Gobble	Field stock examiner	Nov. 1, 1903		1,000			583.33		
Do	Stock examiner	Feb. 15, 1894		900			291.66	190.85	
M. T. Hascall	Field stock examiner	Sept. 16, 1904		1,000			583.33	289.00	
D. R. Hodges	Stock examiner	Jan. 1, 1903		900			583.33	473.00	
De L. Howard	Field stock examiner	July 1, 1903		1,000			502.78	344.75	
Do	Stock examiner	July 15, 1904		900					
R. E. L. Jackson	Field stock examiner	Jan. 16, 1905		1,000			250.00	315.00	
T. J. Lowry	do	Apr. 1, 1904		900			250.00	191.30	
H. L. McDonald	Stock examiner	June 15, 1903		1,000			502.50	218.60	
Do	Field stock examiner	May 1, 1894		900			583.33	701.90	
John C. Massie	do	Sept. 16, 1904		1,000					
Jay Merrill	do	Feb. 1, 1904		1,000					
		June 15, 1903		1,000					

John C. Oren	Stock examiner	June 1, 1903	458.32	384.12
Do	Field stock examiner	1,000	583.33	345.75
F. O. Petty	Field stock examiner	1,000	583.33	530.30
Wm. F. Pfleeging	do	1,000	583.33	530.30
W. S. Pidcock	do	1,000	583.33	530.30
Wm. Proudfoot	do	1,000	583.33	530.30
Thomas B. Rea	do	1,000	583.33	530.30
Do	Stock examiner	1,000	583.33	530.30
Thos. Redmond	Field stock examiner	1,000	583.33	530.30
Isaiah Richards	do	1,000	583.33	530.30
Cecil K. Schaefer	Stock examiner	1,000	583.33	530.30
Do	Field stock examiner	1,000	583.33	530.30
F. W. Schatzell	do	1,000	583.33	530.30
Henry Singletor	do	1,000	583.33	530.30
Do	Stock examiner	1,000	583.33	530.30
A. J. Smith	Field stock examiner	1,000	583.33	530.30
Edw. O. Speake	Clerk	900	583.33	530.30
Do	Field stock examiner	1,000	583.33	530.30
W. L. Upton	do	1,000	583.33	530.30
Do	Stock examiner	1,000	583.33	530.30
A. G. Bibb	do	900	583.33	530.30
Edw. A. Bundy	do	900	583.33	530.30
C. E. Campbell	do	900	583.33	530.30
C. C. Conley	do	900	583.33	530.30
Frank Jalen	do	900	583.33	530.30
R. G. Merrill	do	900	583.33	530.30
G. H. Robinson	do	900	583.33	530.30
Chas. F. Rork	do	900	583.33	530.30
S. L. Valentine	do	900	583.33	530.30
D. N. Wheeler	do	900	583.33	530.30
Wm. E. Burrows	Tagger	900	583.33	530.30
Do	do	840	583.33	475.40
Elias Gilmore	do	840	583.33	475.40
Claude E. Very	do	720	583.33	475.40
Do	do	840	583.33	475.40
Geo. F. Bab	do	720	583.33	475.40
A. S. Brown	do	720	583.33	475.40
Dellas W. Conner	do	720	583.33	475.40
Gilbert F. Creech	do	720	583.33	475.40
F. C. Dauney	do	720	583.33	475.40
Geo. M. Dishong	do	720	583.33	475.40
Leon Durham	do	720	583.33	475.40
Jas. C. Exline	do	720	583.33	475.40
John H. Folts	do	720	583.33	475.40
Benj. F. Gooch	do	720	583.33	475.40
Geo. A. Hanvey, Jr.	do	720	583.33	475.40
Jas. M. Lawson	do	720	583.33	475.40
Jere C. Leyer	do	720	583.33	475.40
Roy C. Livers	do	720	583.33	475.40
Chas. E. Moore	do	720	583.33	475.40
L. W. Morrissey	do	720	583.33	475.40
Robt. R. Newman	Sept. 1, 1903	720	583.33	475.40

Statement of disbursements from emergency appropriation, Bureau of Animal Industry—Continued.

Name.	Designation.	Disbursements.				Traveling.	Miscellaneous.
		Appointed.	Services ended.	Compensation.	Salaries.		
To eradicate contagious diseases of animals—Cont'd.							
E. R. O'Neil.....	Tagger.....	Apr. 1, 1903	Oct. 31, 1904	\$720	\$180.00	\$104.85	
F. C. O'Rourke	do.....	Dec. 19, 1901	do.....	720	180.00	180.03	
John L. Osborn	do.....	Feb. 7, 1903	May 31, 1905	720	420.00	322.10	
Joseph C. Reid	do.....	Nov. 1, 1902	do.....	720	360.00	265.35	
C. H. Robinson	do.....	Oct. 1, 1902	do.....	720	240.00	348.60	
Fred C. Sigrist	do.....	Mar. 20, 1903	do.....	720	150.00	192.44	
Harry A. Smith	do.....	Oct. 9, 1903	do.....	720	258.00	361.45	
Edw. S. Spangler	do.....	Nov. 4, 1902	do.....	720	420.00	580.58	
C. G. Sutton	do.....	June 12, 1903	do.....	720	180.00	156.55	
F. R. Washburn	do.....	Oct. 6, 1898	do.....	720	240.00	198.10	
John H. Webster	do.....	Mar. 2, 1896	do.....	720	420.00	137.35	
H. H. Cohenour	do.....	do.....	do.....	720	138.95	138.95	
J. A. Stauffer	do.....	do.....	do.....	71.50	71.50		
J. Angicker	do.....	do.....	do.....	do.....	35.25		
A. M. Blackwell	do.....	do.....	do.....	do.....	51.50		
J. G. Fish	do.....	do.....	do.....	do.....	115.96		
C. F. Harrington	do.....	do.....	do.....	do.....	59.60		
W. L. West	do.....	do.....	do.....	do.....	34.63		
F. W. Weston	do.....	do.....	do.....	do.....	86.10		
E. P. Schaeffer	do.....	do.....	do.....	do.....	5.70		
W. W. Crandall	do.....	do.....	do.....	do.....	25.15		
Geo. D. Warner	do.....	do.....	do.....	do.....	44.10		
John A. Sloan	do.....	do.....	do.....	do.....	37.80		
A. G. Richardson	do.....	do.....	do.....	do.....	84.15		
A. C. Hart	do.....	do.....	do.....	do.....	80.75		
I. J. Hoyman	do.....	do.....	do.....	do.....	64.75		
Wm. M. Cummins	do.....	do.....	do.....	do.....	49.50		
C. H. Zink	do.....	do.....	do.....	do.....	28.00		
R. M. Mullings	do.....	do.....	do.....	do.....	53.40		
C. M. Coulter	do.....	do.....	do.....	do.....	33.25		
W. E. Day	do.....	do.....	do.....	do.....	88.80		
J. J. Gallagher	do.....	do.....	do.....	do.....	86.00		
C. A. Johnston	do.....	do.....	do.....	do.....	62.57		
J. C. Bowman	do.....	do.....	do.....	do.....	110.75		
L. C. Henderson	do.....	do.....	do.....	do.....	15.50		
The Penna. R. R. Co.	Transportation, J. C. Omen.	do.....	do.....	do.....	62.27		
The Oreg. R. & Nav. Co.	Transportation, G. S. Hickox.	do.....	do.....	do.....	10.60		

OPERATIONS BUREAU OF ANIMAL INDUSTRY.

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Den. & Rio G. R. R. Co.	131.30
Oreg. Short Line R. R. Co.	155.40
The A., T. & S. Fe Rwy. Co.	709.35
The Mo. Pac. Rwy. Co.	184.80
C., B. & Q. Rwy. Co.	161.50
Union Pacific R. R. Co.	113.20
Chic. & N.W. Rwy. Co.	25.60
C., M. & St. P. Rwy. Co.	43.00
The Colo. & So. Rwy. Co.	45.55
L., H. & St. L. Rwy. Co.	89.30
Ft. W. & Den. City Rwy.	115.60
The I.S. & M. So. Rwy.	113.00
N.Y.C. & H.R. R. R. Co.	63.75
Louis. & Nash. R. R. Co.	20.80
El P. & N. E. Rwy. Co.	31.20
C., R. I. & P. Rwy. Co.	72.50
The Pecos Val. & N. E. Rwy.	27.10
Southern Rwy. Co.	13.75
N. C. & St. L. Rwy. Co.	6.83
The C. & A. Rwy. Co.	7.50
No. Pacific Rwy. Co.	16.65
F. Auerbach & Bro	\$240.00
James Leonard.	180.00
E. G. Garela, agent.	112.00
St. James Hotel Co.	44.00
Z. D. Gilman	45.00
Quick Hawk	10.00
R. G. Merrill	210.00
N. L. Townsend	175.00
W. S. Cass.	68.00
Louis Metzker	212.22
Baltimore and Ohio R. R. Co.	94.45
Rocky Mountain Bell Telephone Co.	45.00
The Colorado Telephone Co.	24.15
A. A. Holcombe.	6.00
R. A. Ramsay	8.00
G. W. Denning	1.50
The Jas. G. Kilpatrick Furniture Co.	77.30
Office furniture.	

Statement of disbursements from emergency appropriation, Bureau of Animal Industry—Continued.

Name.	Designation.	Appointed.	Services rendered.	Compensation. Per diem. Per annum.	Miscellaneous Items.	Disbursements.	Traveling.	Miscellaneous.
<i>To eradicate contagious diseases in animals—Cont'd.</i>								
Cooper & Powell Furniture Co.					Office furniture. Linoleum...			\$59.75 34.80
The Charles Feldhauser Carpet Co.					Towel service.			6.00 2.40
American Linen Supply Co.					Post-route maps.			
Rufus B. Mervinat.						\$70,646.79	\$16,745.33	1,655.57

Statement of disbursements from appropriation for experiments in animal breeding and feeding, Bureau of Animal Industry, for the fiscal year ended June 30, 1905.

<i>Experiments in cooperation with State agricultural stations.</i>								
Henry P. Aransby	Expert in animal nutrition.	July 1, 1898		\$1,000		\$83.34		
W. L. Chardle	Expert in animal husbandry.	Oct. 15, 1904		1,000		708.33	\$287.36	
Andrew McFarlane	Expert groom.	Feb. 1, 1905		1,000		416.66	54.05	
W. W. Brannan	Assistant expert in animal nutrition.	July 1, 1901		840		70.00		
F. W. Christensen	Assistant expert in animal nutrition.	Oct. 1, 1904		600		425.00		
W. F. Ward	Assistant expert in animal husbandry.	Nov. 15, 1901		720		452.00	71.44	
N. C. Row	do.	June 30, 1905		200		125.57	42.92	
W. J. Rutherford	Expert.	May 1, 1904		a \$100.00		150.00		
J. F. Duggar	do.	Apr. 1, 1905		a 50.00		150.00	124.13	\$6.57
J. P. Gray	do.	Dec. 20, 1901		a 40.00		162.67		
N. C. Hammer	do.	Jun. 9, 1905		a 35.00		35.00		
Harry Bidner	Laborer.			1.50		36.38		
Thomas Biden	do.			1.50		37.13		
Walter Anderson	do.			a 50.00		200.00		
Geo. M. Ionnison	do.							46.66
G. H. Parks	do.							22.10

International Mercantile Marine Co.	Transportation, G. F. Thompson.	225.00
N. Y. C. & H. R. R. Co.*	Transportation, W. L. Carlyle.	48.75
Southern Rwy. Co.	Transportation, G. M. Rommel.	27.50
The West. Rwy. of Ala	Stallion and 12 mares	20.96
M. H. Tichenor & Co	Six brood mares	9,000.00
Geo. D. Rainford.	do	2,400.00
Magrath & Kennedy	Shipping mares	1,320.00
Colorado experiment station.	Six Angus steers	44.00
W. G. Little.	do	139.10
J. Dobb & McMillan.	Twelve steers	125.00
Spratt & Stinson.	Seven steers	140.22
C. D. Woods, director.	Building poultry houses	800.00
Fort Collins Hardware Co.	Wire fencing	800.00
Alabama experiment station.	Feed, freight, scales, etc.	198.40
Taylor, Taylor & Hobson (Limited.)	Camera and lens	156.30
E. J. Pullman	Film packs	21.60
W. P. Cox	Photographs and supplies	39.78
Phillips, Yarbrough & Allen.	Plumbers material	23.94
Stock Yards Harness and Saddlery Co.	Horse blankets	32.00
Union Stock Yard and Transit Co.	Feed.	44.50
T. A. Whatley	Lumber	45.21
Zellars Bros.	do	4.48
Jacob J. Pitts.	Building shed	38.50
G. W. Barnett Hardware Co.	Wire fencing	21.34
Pennsylvania experiment station.	Labor.	16.73
I. W. Harris	Hardware	15.60
King Hardware Co.	Tarred roofing	12.78
East Alabama Lumber Co	Flooring	3.53
		3,052.08
		970.86
		15,576.48

a Per month.

